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MATRIX TECHNOLOGY INC.

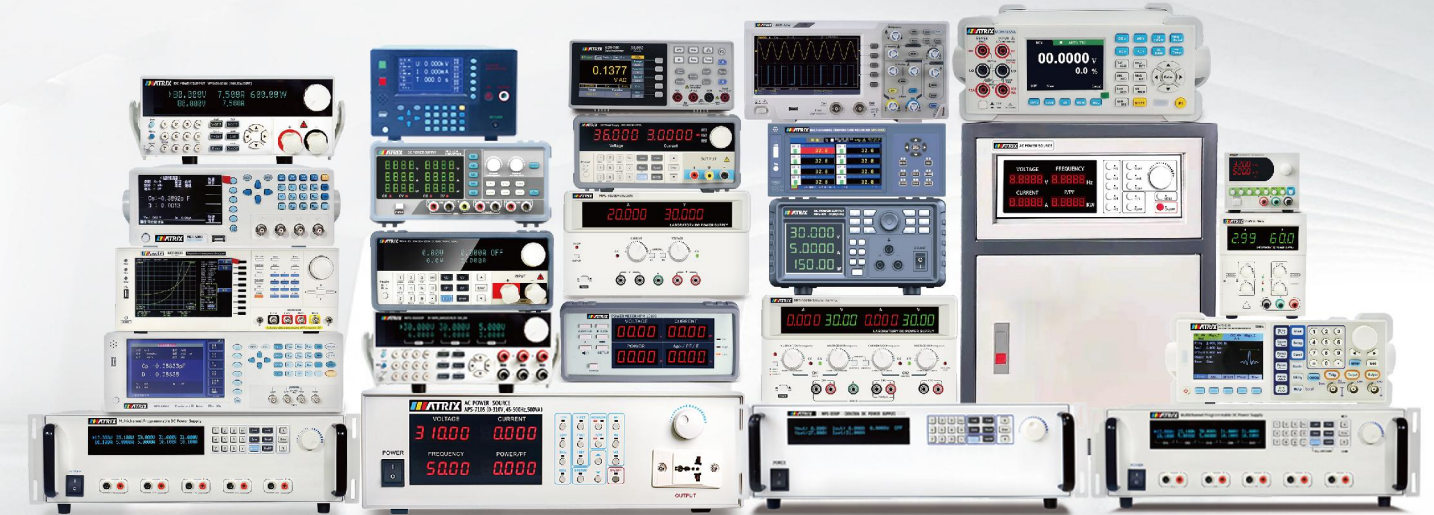
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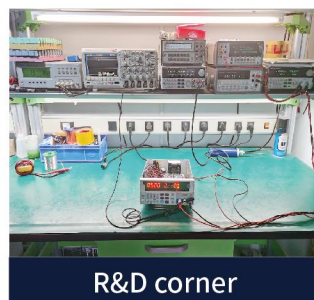
PRODUCT MANUAL

THE EXPERT OF DC LINEAR POWER SUPPLY



COMPANY INTRODUCTION

Founded in 2003, MATRIX TECHNOLOGY INC. is an innovative enterprise integrating R&D, production and sales. Since its establishment, MATRIX has focused on the research and development and production of DC regulated power supplies. The products have been sold to more than 80 countries and regions all over the world, and are highly recommended by the majority of users. MATRIX has obtained CE, ROHS and other authoritative certifications. MATRIX will continue to focus on the research and development of DC power supplies, keep providing users with more reliable, durable and stable products.



R&D corner



Aging room



Production line



Temp.&Humidity Test

DC Power Supply

- MPS-3206 Series DC Power Supply
- MPS-200 Series DC Power Supply
- WPS-300S Series DC Power Supply
- MPS-3260 Series DC Power Supply
- MPS-100 Series DC Power Supply
- MPS-D+ Series Single Channel Linear DC Power Supply
- MPS-H-1 Series Single Channel Linear DC Power Supply
- MPS-H-3 Series Triple Channel linear DC power supply
- WPS-L Series DC Power Supply
- MPS-3600LP Series Programmable Single Channel DC Power Supply
- MPS-3600H Series Programmable Single Channel DC Power Supply
- PDS-E Series DC Power Supply
- PDS Series Programmable Single Channel DC Power Supply
- MPS-X/XP Series Programmable Triple Channel DC Power Supply
- MPS-P Series Programmable DC Power Supply
- MPS-4A Series 4CH programmable DC power supply
- MPS-4 Series 4CH programmable DC power supply
- MPS-5 Series 5CH programmable DC power supply
- MFP-2000 Series 4CH programmable DC power supply
- MFP-4000 Series 4CH programmable DC power supply
- MFP-3000 Series 4CH programmable DC power supply
- MPS-S Series Programmable DC Power Supply
- MPS-2S Series Programmable DC Power Supply
- HPS Series Programmable DC Power Supply

AC Power Source

- APS-4000 Series Storage AC Power Source
- APS-6000 Series Adjustable AC Power Meter
- APS-50000 Series AC Power Source
- APS-7000 Series Programmable AC Power Source

Electronic Load

- PEL-8000 Series Programmable DC Electronic Load
- PEL-9150S series programmable DC Electronic Load

High Precision Power Meter

- MPM-1010/1010B High Precision Power Meter

LCR Meter

- MCR-5000 Series Digital LCR Meter
- MCR-6000A Series High Precision LCR Meter
- MCR-8000H Series High Precision LCR Meter
- MCR-9000 Series Precision Impedance Analyzerr

Component testing instrument

- MOM-804/805 Component testing instrument

Electrical Safety Tester

- MST-8101/8103 Programmable Electrical Safety Tester

Oscilloscope

- MOS-620 Dual Channel Analog Oscilloscope
- MDS-2000 Series Super- Economical Digital Storage Oscilloscope

Digital Multimeter

- MDM-5500 Digital Multimeter
- MDM-8265/8255 High Precision Multimeter
- MDM-200 Series Digital Multimeter

Temperature Measuring Instrument

- MTR-2000 Series Temperature recorder
- MTM-300 Series Infrared Thermometer

Oscilloscope Probe

- IP Series General Oscilloscope Probe
- P-6139 Series Oscilloscope Probe
- Oscilloscope High Voltage Probe
- Differential Probe

Optional Accessories

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DC Power Supply

MPS-3206 Series



- Voltage and current simultaneously display, double four-digit LED display
- High power up to 320W with small volume
- Smart fan, unique air duct design keeps normal temperature for long time full load working
- Five sets of storage functions, greatly convenient for users
- OVP/OCP setting function
- Encoder sets voltage and current. Fast and longer life
- Output control function

Model	MPS-3206	MPS-3210	MPS-6205	
Rated input voltage	AC220V/110V±10%			
Rated output voltage	0~32V	0~32V	0~62V	
Rated output current	0~6A	0~10A	0~5A	
Load regulation	Voltage	< 0.1%+5mV	< 0.1%+10mV	< 0.1%+5mV
	Current	< 0.2%+3mA	< 0.2%+5mA	< 0.2%+3mA
Line regulation	Voltage	< 0.01%+5mV	< 0.01%+10mV	< 0.01%+5mV
	Current	< 0.2%+3mA	< 0.2%+5mA	< 0.2%+3mA
Setting accuracy	Voltage	≤0.1%+1 digit	≤0.1%+1 digit	≤0.1%+2 digits
	Current	≤0.2%+3mA	≤0.2%+5mA	≤0.2%+3mA
Setting resolution	Voltage	10mV	10mV	10mV
	Current	1mA	1mA	1mA
Readback accuracy	Voltage	≤0.1%+1 digit	≤0.1%+1 digit	≤0.1%+2 digit
	Current	≤0.2%+3mA	≤0.2%+5mA	≤0.2%+3mA
Readback resolution	Voltage	10mV	10mV	10mV
	Current	1mA	1mA	1mA
Ripple	Voltage	≤10mVrms	≤10mVrms	≤10mVrms
	Current	≤5mA _{rms}	≤5mA _{rms}	≤5mA _{rms}
OVP	0~32V±0.2%FS	0~32V±0.2%FS	0~62V±0.2%FS	
Max. voltage	32V±0.2%	32V±0.2%	62V±0.2%	
OCP	0~6.1A±0.2%FS	0~10A±0.2%FS	0~5.1A±0.2%FS	
Max. current	6.1A±0.2%	10A±0.2%	5.1A±0.2%	
Temperature	Operation	0 ~ 40°C≤80%RH		
Coefficient	Storage	-15~70°C≤80%RH		
Instrument size (W*H*D)	mm	115*96*261		
Packing size (W*H*D)	mm	167*153*317		
Net weight	kg	1.5		
Gross weight	kg	1.9		

DC Power Supply

MPS-200 Series



Features

- It can save the output status and value before the last shutdown
- The adjustable range of current and voltage can be set
- Voltage compensation function to ensure high accuracy
- Restore factory settings with one click
- List output editing function
- Nine sets of voltage and current storage function, convenient and quick
- Intelligent temperature control fan, extremely practical
- Adjustable screen brightness

Applications

- Production line work bench routine test
- Lab and institute
- Electronic repair
- Automated equipment integration testing

Standard RS-232 RS-485 USB

Model	MPS-200	MPS-201	MPS-202	
Rated input voltage	AC220V/110V±10%			
Rated output current	0-32V		0-60V	
Rated output voltage	0-6A	0-10A	0-5A	
Load regulation rate	Voltage	≤0.02%+5mV	≤0.02%+8mV	≤0.02%+5mV
	Current	≤0.02%+5mA	≤0.02%+5mA	≤0.02%+5mA
Line regulation rate	Voltage	≤0.02%+5mV	≤0.02%+8mV	≤0.02%+5mV
	Current	≤0.02%+5mA	≤0.02%+5mA	≤0.02%+5mA
Setting resolution	Voltage	1mV		
	Current	0.1mA		
Read back resolution	Voltage	1mV		
	Current	0.1mA		
Setting accuracy (25°C±5°C)	Voltage	≤0.1%+8mV		
	Current	≤0.2%+2mA		
Read back accuracy (25°C±5°C)	Voltage	≤0.1%+8mV		
	Current	≤0.2%+2mA		
Ripple and noise (25°C±5°C)	Voltage	<8mVrms	<8mVrms	<10mVrms
	Current	<3mA _{rms}	<5mA _{rms}	<3mA _{rms}
temperature coefficient	Operating	0 to 40°C≤80 R.H.		
	Storage	-15 to 70°C≤80 R.H.		
Machine size (W*H*D)	mm	111*170*250		
Net weight	kg	2KG		

DC Power Supply

WPS-300S Series



Features

- It can save the output status and value before the last shutdown
- The adjustable range of current and voltage can be set
- Nine sets of voltage and current storage and recall functions, convenient and fast
- Restore factory settings with one click
- Output switch control for easy control
- Intelligent temperature controlled fan, extremely practical
- List output function
- OVP/OCP setting function
- Adjustable screen brightness

Applications

- Production line work bench routine test
- Lab and institute
- Electronic repair
- Automated equipment integration testing

Standard RS-232 RS-485 USB

Model	WPS300S-80-6	WPS300S-80-10	WPS300S-150-5
Rated input voltage	AC220V/110V±10%		
Rated output voltage	0-80V	0-80V	0-150V
Rated output current	0-6A	0-10A	0-5A
Rated output power	150W	300W	300W
Load regulation rate	Voltage	≤0.02%+8mV	≤0.02%+5mV
	Current	≤0.02%+5mA	≤0.02%+5mA
Line regulation rate	Voltage	≤0.02%+8mV	≤0.02%+5mV
	Current	≤0.02%+5mA	≤0.02%+5mA
Setting resolution	Voltage	1mV	1mV
	Current	0.1mA	0.1mA
Read back resolution	Voltage	≤0.1%+8mV	≤0.1%+10mV
	Current	≤0.2%+2mA	≤0.2%+2mA
Setting accuracy (25°C±5°C)	Voltage	1mV	1mV
	Current	0.1mA	0.1mA
Read back accuracy (25°C±5°C)	Voltage	≤0.1%+8mV	≤0.1%+10mV
	Current	≤0.2%+2mA	≤0.2%+2mA
Ripple and noise (25°C±5°C)	Voltage	<8mVrms	<10mVrms
	Current	<5mAms	<3mAms
Temperature coefficient	Operating	0 to 40°C ≤ 80 R.H.	
	Storage	-15 to 70°C ≤ 80 R.H.	
Machine size (W*H*D)	mm	111*170*250	
Net weight	kg	2KG	

DC Power Supply

MPS-3260 series



Features

- Five groups of storage, easy to recall
- Power up to 409W
- It can save the output status and value before the last shutdown
- The adjustable range of current and voltage can be set
- One key series parallel connection
- Restore factory settings with one click
- Independent control of three channels

Applications

- Develop and design validation common tests
- Aging of product
- Routine electronic testing and maintenance
- Lab

Model	MPS-3263			MPS-3264			
Channel	CH1	CH2	CH3	CH1	CH2	CH3	CH4(USB)
Rated input voltage	AC220V±10% or 110V±10%						
Rated output voltage	0~32V	2.5V/3.3V/5V	0~32V	2.5V/3.3V/5V	5V		
Rated output current	0~6A	3A	0~6A	3A	2A		
Load regulation rate	Voltage	<0.1%+8mV	-	<0.1%+8mV	-	-	
	Current	<0.1%+5mA	-	<0.1%+5mA	-	-	
Line regulation rate	Voltage	<0.1%+8mV	<0.1%+10mV	<0.1%+8mV	<0.1%+10mV	<0.1%+10mV	
	Current	<0.1%+5mA	<0.1%+5mA	<0.1%+5mA	<0.1%+5mA	<0.1%+5mA	
Setting accuracy	Voltage	≤0.1%+2bit	≤0.1%+2bit	≤0.1%+2bit	≤0.1%+2bit	-	
	Current	≤0.5%+5mA	-	≤0.5%+5mA	-	-	
Read back accuracy	Voltage	≤0.1%+2bit	≤0.1%+2bit	≤0.2%+2bit	≤0.2%+2bit	-	
	Current	≤0.5%+5mA	-	≤0.5%+5mA	-	-	
Read back resolution	Voltage	10mV	-	10mV	-	-	
	Current	1mA	-	1mA	-	-	
Ripple (5Hz~1MHz)	Voltage	≤10mVrms	≤10mVrms	≤10mVrms	≤10mVrms	≤10mVrms	
	Current	≤5mAms	≤5mAms	≤5mAms	≤5mAms	≤5mAms	
OVP	0~32V±0.2%FS	-	0~32V±0.2%FS	-	-		
Maximum voltage	32V±0.2%	-	32V±0.2%	-	-		
OCP	0~6.1A±0.2%FS	3.1A±0.1A	0~6.1A±0.2%FS	-	-		
Maximum current	6.1A±0.2%	3.1A±0.1A	6.1A±0.2%	-	-		
Temperature	Operating	0 ~ 40°C ≤ 80%RH					
	Storage	-15 ~ 70°C ≤ 80%RH					
Machine size (W*H*D)	mm	220*150*330					
Net weight	kg	3.5					
Gross weight	kg	4.3					

DC Power Supply

MPS-100 Series



optional RS-232 □ USB □

Applications

- Production line work bench routine test
- Lab and institute
- Electronic repair
- Automated equipment integration testing

Features

- Voltage compensation function to ensure high accuracy
- Nine sets of voltage and current storage function, convenient and quick
- Intelligent temperature control fan, extremely practical
- It can save the output status and value before the last shutdown
- The adjustable range of current and voltage can be set
- Restore factory settings with one click
- Adjustable screen brightness
- LIST output editing function

Model	MPS-100	MPS-100C	MPS-101	MPS-101C
Rated input voltage	AC220V±10% or 110V±10%			
Rated output voltage	0~30V		0~60V	
Rated output current	0~5A		0~3A	
Rated output power	150W		180W	
Load regulation rate	Voltage	0.05%+8mV	0.05%+5mV	
	Current	0.1%+5mA	0.1%+5mA	
Power regulation rate	Voltage	0.05%+8mV	0.05%+8mV	
	Current	0.1%+5mA	0.1%+5mA	
Setting resolution	Voltage	1mV	1mV	
	Current	0.1mA	0.1mA	
Read back resolution	Voltage	1mV	1mV	
	Current	0.1mA	0.1mA	
Setting accuracy (25°C±5°C)	Voltage	±0.1%+8mV	±0.1%+8mV	
	Current	±0.2%+2mA	±0.2%+2mA	
Read back accuracy (25°C±5°C)	Voltage	±0.1%+8mV	±0.1%+8mV	
	Current	±0.2%+2mA	±0.2%+2mA	
Ripple and noise (25°C±5°C)	Voltage	<5mVrms	<5mVrms	
	Current	<3mA rms	<3mA rms	
temperature coefficient	Voltage	0 to 40°C ≤85 R.H.	0 to 40°C ≤85 R.H.	
	Current	-15 to 70°C ≤85 R.H.	-15 to 70°C ≤85 R.H.	
Machine size (W*H*D)	mm	185*105*295		185*105*295
Net weight	kg	4.5Kg		4.5Kg
Standard interface		—	RS-232+RS-485	—

Single Channel Linear DC Power Supply

MPS-D+ Series



- Current pre-set without short circuit, namely can set the max output current directly
- Smart fan reduce the working noise
- Spec:30V/3A, 30V/5A, 60V/3A, 30V/10A, 60V/5A, 15V/10A,15V/15A
- OTP over temperature protection, more comprehensive protection;

- Output on/off function
- Fine/coarse tuning
- Input voltage 110V/220V switchable
- The smallest 300W(60V/5A,30V/10A) linear adjustable power supply in industry

Model	MPS-3003D+	MPS-3005D+	MPS-3010D+	MPS-6003D+	MPS-6005D+	MPS-1510D+	MPS-1515D+	
Rated input voltage	AC220V/110V±10%							
Rated output	Voltage	0-30V	0-30V	0-30V	0-60V	0-60V	0-15V	0-15V
	Current	0-3A	0-5A	0-10A	0-3A	0-5A	0-10A	0-15A
Load regulation rate	Voltage	<0.02%+5mV	<0.02%+6mV	<0.02%+10mV	<0.02%+5mV	<0.02%+6mV	<0.02%+10mV	<0.02%+12mV
	Current	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits
Line regulation rate	Voltage	<0.02%+5mV	<0.02%+6mV	<0.02%+10mV	<0.02%+5mV	<0.02%+6mV	<0.02%+10mV	<0.02%+12mV
	Current	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits
Display resolution	Voltage	100mV						
	Current	<10A:10mA , >10A:100mA						
Display accuracy	≤0.2%+2 digits(Environment temperature: 23°C±5°C)							
Ripple	Voltage	≤2mVrms	≤2mVrms	≤3mVrms	≤2mVrms	≤2mVrms	≤2mVrms	≤2mVrms
	Current	5mA rms	5mA rms	10mA rms	5mA rms	5mA rms	10mA rms	10mA rms
Temperature Coefficient	300ppm/°C							
Max. output voltage	31.5V±0.5V	31.5V±0.5V	31.5V±0.5V	61.5V±0.5V	61.5V±0.5V	15.5V±0.5V	15.5V±0.5V	
Max. output current	3.15A±0.05A	5.20A±0.05A	10.1A±0.05A	3.15A±0.05A	5.20A±0.05A	10.1A±0.05A	15.1A±0.05A	
Input voltage	AC 220V/110V±10% 50Hz/60Hz							
Working condition	Temperature 0°C ~40 °CRelative humidity < 80%							
Storage condition	Temperature -15°C~70 °CRelative humidity < 80%							
Cooling method	Smart air cooling							
Size (WxHxD)	mm	280*130*160						320*130*160
Net weight	kg	4.9	5.7	7.0	5.7	7.0	8.4	
Gross weight	kg	5.6	6.4	7.7	6.4	7.7	8.1	

Single Channel Linear DC Power Supply

MPS-H-1 Series



- It can save the output status and value before the last shutdown
- Current can be pre-set without short circuit;
- Current and voltage output can be set in a certain range, which can prevent misoperation from damaging the tested object
- Slow startup circuit design, small surge current
- Voltage compensation function to ensure high precision
- USB, RS-232/485 are optional
- Two groups memory, can be recalled quickly
- One click to restore factory settings

Standard SENSEt Optional RS232/485 USB

≤600W Linear DC power supply

Model	Voltage	Current	Power
MPS-3010H-1	0-30V	0-10A	300W
MPS-3020H-1	0-30V	0-20A	600W
MPS-6005H-1	0-60V	0-5A	300W
MPS-6010H-1	0-60V	0-10A	600W
MPS-10003H-1	0-100V	0-3A	300W
MPS-20002H-1	0-200V	0-2A	400W
MPS-30001H-1	0-300V	0-1A	300W

Model	MPS-3010H-1	MPS-3020H-1	MPS-6005H-1	MPS-6010H-1	MPS-10003H-1	MPS-20002H-1	MPS-30001H-1	
Input voltage AC 220V/110V±10% 50Hz/60Hz								
Rated output	Voltage	0~30V	0~30V	0~60V	0~60V	0~100V	0~200V	0~300V
	Current	0~10A	0~20A	0~5A	0~10A	0~3A	0~2A	0~1A
Load regulation rate	Voltage	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+5mV	≤0.01%+5mV	≤0.01%+8mV	≤0.01%+12mV	≤0.01%+12mV
	Current	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA
Line regulation rate	Voltage	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+5mV	≤0.01%+5mV	≤0.01%+8mV	≤0.01%+12mV	≤0.01%+12mV
	Current	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA
Setting resolution rate	Voltage	1mV	1mV	1mV	1mV	10mV	10mV	10mV
	Current	1mA	1mA	1mA	1mA	1mA	1mA	1mA
Setting accuracy	Voltage	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+80mV	≤0.01%+80mV	≤0.01%+80mV
	Current	≤0.1%+5mA	≤0.1%+10mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA
Readback resolution rate	Voltage	1mV	1mV	1mV	1mV	10mV	10mV	10mV
	Current	1mA	1mA	1mA	1mA	1mA	1mA	1mA
Readback accuracy	Voltage	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+80mV	≤0.01%+80mV	≤0.01%+80mV
	Current	≤0.1%+5mA	≤0.1%+10mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA
Ripple and noise	Voltage	≤3mV(rms)						
	Current	≤5mA(rms)						
Working temperature 0~40°C≤80%RH								
Size (WxHxD) cm 250*150*330								
Weight	kg	8	13	8	13	12	12	12

* If with interface, the model NO. will be changed to MPS-H-1C, for example, MPS-3010H-1C means it has RS-232,RS-485 and USB.

Triple Channel Linear DC Power Supply

MPS-H-3 Series



- One-button series and parallel independent setting, convenient and easy to use
- In series or parallel, direct display of current and voltage values, intuitive and readable
- 4 digits display, 10mV/1mA resolution
- CH1 and CH2 can be controlled independently
- Current can be pre-set without short circuit;
- Slow startup circuit design, small surge current
- USB, RS-232/485 are optional
- Current and voltage output can be set in a certain range, which can prevent misoperation from damaging the tested object
- It can save the output status and value before the last shutdown
- One click to restore factory settings

Optional RS232/485 USB

Model	MPS-3003H-3	MPS-3005H-3	MPS-3010H-3	MPS-6003H-3	MPS-6005H-3											
Rated input voltage AC220V/110V±10%																
Channel	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	
Rated output	Voltage	0~30V	0~30V	5V	0~30V	0~30V	5V	0~30V	0~30V	5V	0~60V	0~60V	5V	0~60V	0~60V	5V
	Current	0~3A	0~3A	3A	0~5A	0~5A	3A	0~10A	0~10A	3A	0~3A	0~3A	3A	0~5A	0~5A	3A
Load regulation rate	Voltage	≤0.01%+5mV	≤15mV	≤0.01%+5mV	≤15mV	≤0.01%+8mV	≤15mV	≤0.01%+5mV	≤15mV	≤0.01%+5mV	≤15mV	≤0.01%+5mV	≤15mV	≤0.01%+5mV	≤15mV	≤0.01%+5mV
	Current	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA
Line regulation rate	Voltage	≤0.01%+5mV	-	≤0.01%+5mV	-	≤0.01%+8mV	-	≤0.01%+5mV	-	≤0.01%+5mV	-	≤0.01%+5mV	-	≤0.01%+5mV	-	≤0.01%+5mV
	Current	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA
Set resolution	Voltage	10mV	-	10mV	-	10mV	-	10mV	-	10mV	-	10mV	-	10mV	-	10mV
	Current	1mA	-	1mA	-	1mA	-	1mA	-	1mA	-	1mA	-	1mA	-	1mA
Readback resolution	Voltage	10mV	-	10mV	-	10mV	-	10mV	-	10mV	-	10mV	-	10mV	-	10mV
	Current	1mA	-	1mA	-	1mA	-	1mA	-	1mA	-	1mA	-	1mA	-	1mA
Set value accuracy	Voltage	≤0.03%+10mV	-	≤0.03%+10mV	-	≤0.03%+10mV	-	≤0.03%+10mV	-	≤0.03%+10mV	-	≤0.03%+10mV	-	≤0.03%+10mV	-	≤0.03%+10mV
	Current	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA
Readback value accuracy	Voltage	≤0.03%+10mV	-	≤0.03%+10mV	-	≤0.03%+10mV	-	≤0.03%+10mV	-	≤0.03%+10mV	-	≤0.03%+10mV	-	≤0.03%+10mV	-	≤0.03%+10mV
	Current	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA	-	≤0.1%+5mA
Parallel mode	Power effect	≤0.01%+5mV	-	≤0.01%+5mV	-	≤0.02%+8mV	-	≤0.02%+5mV	-	≤0.02%+5mV	-	≤0.02%+5mV	-	≤0.02%+5mV	-	≤0.02%+5mV
	Load effect	≤0.01%+5mV	-	≤0.02%+5mV	-	≤0.02%+8mV	-	≤0.02%+5mV	-	≤0.02%+5mV	-	≤0.02%+5mV	-	≤0.02%+5mV	-	≤0.02%+5mV
Series mode	Power effect	≤0.01%+5mV	-	≤0.01%+5mV	-	≤0.01%+8mV	-	≤0.01%+5mV	-	≤0.01%+5mV	-	≤0.01%+5mV	-	≤0.01%+5mV	-	≤0.01%+5mV
	Load effect	≤0.01%+5mV	-	≤0.02%+5mV	-	≤0.01%+8mV	-	≤0.01%+5mV	-	≤0.01%+5mV	-	≤0.01%+5mV	-	≤0.01%+5mV	-	≤0.01%+5mV
Ripple and Noise	Voltage	≤2mV(rms)														
	Current	≤5mA(rms)														
Working temperature 0~40°C≤80%RH																
Size (W*H*D) mm 250*150*330																
Weight	kg	8	9	12	9	9										

* If with interface, the model NO. will be changed to MPS-H-3C, for example, MPS-3010H-3C means it has RS-232,RS-485 and USB.

DC Power Supply

WPS-L Series



WPS100-8005L/WPS200-8010L

WPS400-8020L/WPS600-8030L

Features

- LIST output function
- Timing output time can be set (0.1~99999.9 seconds)
- Remote compensation function to compensate the voltage drop on line
- With abundant SCPI instructions make it easy to build an intelligent testing platform
- Optional external analog control function
- Supports output from the front and rear panels
- DVM voltmeter measurement function
- Internal temperature monitoring function

Standard USB SENSE RS232/485

Optional LAN

Model	WPS100-8005L	WPS200-8010L	WPS400-8020L	WPS600-8030L	
Rated input voltage	AC220V/110V±10%				
Rated output voltage	0~80V	0~80V	0~80V	0~80V	
Rated output current	0~5A	0~10A	0~20A	0~30A	
Rated output power	100W	200W	400W	600W	
Load regulation rate	Voltage	≤0.01%+3mV	≤0.01%+10mV	≤0.01%+30mV	≤0.01%+30mV
	Current	≤0.05%+2mA	≤0.05%+4mA	≤0.05%+6mA	≤0.1%+10mA
Line regulation	Voltage	≤0.01%+3mV	≤0.01%+10mV	≤0.01%+30mV	≤0.01%+30mV
	Current	≤0.05%+2mA	≤0.05%+4mA	≤0.05%+6mA	≤0.1%+10mA
Setting value resolution	Voltage	1mV	1mV	1mV	1mV
	Current	0.1mA	1mA	1mA	1mA
Readback value resolution	Voltage	1mV	1mV	1mV	1mV
	Current	0.1mA	1mA	1mA	1mA
Setting accuracy (25°C±5°C)	Voltage	≤0.03%+5mV	≤0.03%+5mV	≤0.03%+5mV	≤0.03%+5mV
	Current	≤0.1%+3mA	≤0.1%+5mA	≤0.1%+10mA	≤0.1%+15mA
Readback accuracy (25°C±5°C)	Voltage	≤0.03%+5mV	≤0.03%+5mV	≤0.03%+5mV	≤0.03%+5mV
	Current	≤0.1%+3mA	≤0.1%+5mA	≤0.1%+10mA	≤0.1%+15mA
Ripple	Voltage	≤5mVrms	≤5mVrms	≤8mVrms	≤10mVrms
	Current	≤5mA _{rms}	≤6mA _{rms}	≤8mA _{rms}	≤15mA _{rms}
Rising time	≤150ms(10%-90%)				
Falling time	≤2s(10%-90%)				
Size	mm	255*110*380		255*110*475	
Weight	kg	8.2	9.2	13.3	15.2

Programmable Single Channel DC Power Supply

MPS-3600LP Series



- List programme output function
- Save last time output data and state
- External trigger function
- Pass/fail signal output function
- Nine sets of voltage and current storage and recall function, convenient and quick
- Intelligent temperature control fan, extremely practical
- The knob adopts the code switch, which is convenient to use and has the function of preventing misadjustment

Application:

1. Routine test and maintenance of production line;
2. Laboratory and Research Institute;
3. Simulation test of new energy vehicles;
4. Automation equipment integration test

Standard SENSE RS232

Optional Analog control

Model	MPS-2010LP	MPS-3603LP	MPS-3605LP	MPS-3610 LP	MPS-6003LP	MPS-6005LP	MPS-8002LP	
Rated input voltage	AC220V/110V±10%							
Rated output voltage	0~20V	0~36V	0~36V	0~36V	0~60V	0~60V	0~80V	
Rated output current	0~10A	0~3A	0~5A	0~10A	0~3A	0~5A	0~2A	
Rated output power	200W	108W	180W	360W	180W	300W	160W	
Load regulation rate	Voltage	0.05%+8mV	0.05%+5mV	0.05%+8mV	0.05%+10mV	0.05%+5mV	0.05%+8mV	0.05%+5mV
	Current	0.1%+5mA	0.1%+5mA	0.1%+5mA	0.1%+8mA	0.1%+5mA	0.1%+5mA	0.1%+5mA
Line regulation	Voltage	0.05%+8mV	0.05%+5mV	0.05%+8mV	0.05%+10mV	0.05%+5mV	0.05%+8mV	0.05%+5mV
	Current	0.1%+5mA	0.1%+5mA	0.1%+5mA	0.1%+8mA	0.1%+5mA	0.1%+5mA	0.1%+5mA
Setting value resolution	Voltage	10mV	10mV	10mV	10mV	10mV	10mV	10mV
	Current	1mA	1mA	1mA	1mA	1mA	1mA	1mA
Readback value resolution	Voltage	10mV	10mV	10mV	10mV	10mV	10mV	10mV
	Current	1mA	1mA	1mA	1mA	1mA	1mA	1mA
Setting accuracy (25°C±5°C)	Voltage	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+3digits
	Current	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+6digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits
Readback accuracy (25°C±5°C)	Voltage	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+3digits
	Current	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+6digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits
Ripple	Voltage	1.5mVrms	1mVrms	1.5mVrms	2mVrms	2mVrms	2mVrms	3mVrms
	Current	3mA _{rms}	3mA _{rms}	3mA _{rms}	6mA _{rms}	3mA _{rms}	3mA _{rms}	3mA _{rms}
Temperature Coefficient	Operation	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
	Storage	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
Instrument size (W*H*D)	mm	215*95*300	215*95*300	215*95*300	215*95*355	215*95*355	215*95*300	
Packing size (W*H*D)	mm	310*200*420	310*200*420	310*200*420	310*200*485	310*200*485	310*200*420	
Net weight	kg	6.7	4.5	6.7	7.5	5.6	5.6	
Gross weight	kg	7.8	5.6	7.8	8.6	6.7	6.7	

Programmable Single Channel DC Power Supply

MPS-3600H Series



- List programme output function
- Save last time output data and state
- External trigger function
- Pass/fall signal output function
- Nine sets of voltage and current storage and recall function, convenient and quick
- Intelligent temperature control fan, extremely practical
- The knob adopts the code switch, which is convenient to use and has the function of preventing misadjustment

Application:

1. Routine test and maintenance of production line;
2. Laboratory and Research Institute;
3. Simulation test of new energy vehicles;
4. Automation equipment integration test

Standard SENSEt RS232 Optional Analog control

Model	MPS-2010H	MPS-3603H	MPS-3605H	MPS-3610H	MPS-6003H	MPS-6005H	MPS-8002H	
Rated input voltage	AC220V/110V±10%							
Rated output voltage	0~20V	0~36V	0~36V	0~36V	0~60V	0~60V	0~80V	
Rated output current	0~10A	0~3A	0~5A	0~10A	0~3A	0~5A	0~2A	
Rated output power	200W	108W	180W	360W	180W	300W	160W	
Load regulation rate	Voltage	0.05%+8mV	0.05%+5mV	0.05%+8mV	0.05%+10mV	0.05%+5mV	0.05%+8mV	0.05%+5mV
	Current	0.1%+5mA	0.1%+5mA	0.1%+5mA	0.1%+8mA	0.1%+5mA	0.1%+5mA	0.1%+5mA
Line regulation	Voltage	0.05%+8mV	0.05%+5mV	0.05%+8mV	0.05%+10mV	0.05%+5mV	0.05%+8mV	0.05%+5mV
	Current	0.1%+5mA	0.1%+5mA	0.1%+5mA	0.1%+8mA	0.1%+5mA	0.1%+5mA	0.1%+5mA
Setting value resolution	Voltage	1mV	1mV	1mV	1mV	1mV	1mV	1mV
	Current	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
Readback value resolution	Voltage	1mV	1mV	1mV	1mV	1mV	1mV	1mV
	Current	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
Setting accuracy (25°C±5°C)	Voltage	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+3digits
	Current	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+6digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits
Readback accuracy (25°C±5°C)	Voltage	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+3digits
	Current	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+6digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits
Ripple	Voltage	1.5mVrms	1mVrms	1.5mVrms	2mVrms	2mVrms	2mVrms	3mVrms
	Current	3mA _{rms}	3mA _{rms}	3mA _{rms}	6mA _{rms}	3mA _{rms}	3mA _{rms}	3mA _{rms}
Temperature Coefficient	Operation	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
	Storage	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
Instrument size (W*H*D)	mm	215*95*300	215*95*300	215*95*300	215*95*355	215*95*355	215*95*355	215*95*300
Packing size (W*H*D)	mm	310*200*420	310*200*420	310*200*420	310*200*485	310*200*485	310*200*485	310*200*420
Net weight	kg	6.7	4.5	6.7	7.5	5.6	7	5.6
Gross weight	kg	7.8	5.6	7.8	8.6	6.7	8	6.7

DC Power Supply

PDS-E Series



Features

- Set voltage and current in two ways: digital keyboard and knob
- Voltage 1mV and current 1mA resolution, high precision display
- Multiple group voltage and current storage call function
- Battery charging mode, the upper and lower limits of the current setting function, with an alarm
- The appearance is fashionable and small, affordable, cost-effective ultra-high

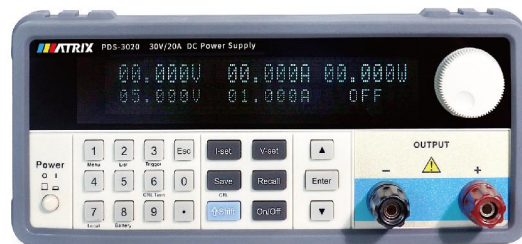
Applications

- Experimental technique
- Electronic maintenance
- Aging test
- DIY

Model		PDS-3020E	PDS-6010E
Rated input voltage		AC220V/110V±10%	
Rated output voltage		0-30V	0-60V
Rated output current		0-20A	0-10A
Load regulation rate	Voltage	<0.1%+20mV	<0.1%+10mV
	Current	<0.1%+5mA	<0.1%+5mA
Power regulation rate	Voltage	<0.1%+20mV	<0.1%+10mV
	Current	<0.1%+5mA	<0.1%+5mA
Setting resolution	Voltage	1mV	1mV
	Current	1mA	1mA
Read back resolution	Voltage	1mV	1mV
	Current	1mA	1mA
Setting accuracy (25°C±5°C)	Voltage	≤0.1%+10mV	≤0.1%+10mV
	Current	≤0.3%+8mV	≤0.3%+5mV
Read back accuracy (25°C±5°C)	Voltage	≤0.1%+10mV	≤0.1%+10mV
	Current	≤0.3%+8mV	≤0.3%+5mV
temperature coefficient	Operating	0 to 40°C ≤85 R.H.	0 to 40°C ≤85 R.H.
	Storage	-15 to 70°C ≤85 R.H.	-15 to 70°C ≤85 R.H.
Product size (W*H*D)	mm	230*105*330	230*105*330
Packing size (W*H*D)	mm	305*203*426	305*203*426
Net weight	kg	3.5	3.5
Gross weight	kg	4.5	4.5

Programmable Single Channel DC Power Supply

PDS Series



- Voltage 1mV current 1mA resolution, high precision display
- Set voltage and current in two ways; digital keyboard and knob
- 100 sets of voltage and current storage call out function, convenient and quick
- Voltage compensation function ensures high precision
- Output switch control, easy to control
- Intelligent temperature control fan, extremely practical
- The knob adopts the code switch, which is convenient to use and has the function of preventing misadjustment
- Over voltage, over current, over temperature protection function

Standard RS232 SENSE Optional Analog control

Model	Voltage	Current	OVP	OCP
Rated input voltage		AC220V±10%		
Rated DC output (0°C~40°C)				
PDS-2030	0~20V	0~30A	0.1~24V	0.1~34A
PDS-3020	0~30V	0~20A	0.1~34V	0.1~24A
PDS-6010	0~60V	0~10A	0.1~64V	0.1~12A
PDS-1560	0~15V	0~60A	0.1~18V	0.1~62A
PDS-3030	0~30V	0~30A	0.1~34V	0.1~34A
PDS-6015	0~60V	0~15A	0.1~64V	0.1~17A
PDS-8010	0~80V	0~11A	0.1~88V	0.1~12A
Power effect	Voltage	≤0.01%+10mV		
	Current	≤0.2%+10mA		
Load effect	Voltage	≤0.1%+5mV		
	Current	≤0.2%+5mA		
Ripple and noise	Voltage	2mVrms,30mVpp		
	Current	≤10mA _{rms}		
Setting precision	Voltage	±(0.03%of reading+10mV)(25±5°C)		
	Current	±(0.3%of reading+10mA)(25±5°C)		
Setting resolution	1mV / 1mA			
Voltage Recovery time	≤1.5ms(50%loadchange)			
Voltage Temperature coefficient	≤300ppm/°C			
Accuracy of reading	±(0.02%of reading+5mV)(25±5°C);±(0.05%of reading+10mA)(25±5°C)			
Protection	OLP, OVP, OCP, OTP, RP			
Interface	Standard RS-232, support SCPI instruction set, analog control interface (optional)			
Storage redeployment	100 groups			
Operating environment	Indoor use , altitude : ≤2000m , ambient temperature : 0~40°C Relative humidity : ≤80% , Install level : II , Degree of pollution : 2			
Storage environment	ambient temperature : -10~70°C , relative humidity : ≤70%			
Power input	AC 220V±10%,50/60Hz			
Accessories	user manual*1pc, power cord*1pc			
Instrument size (W*H*D)	mm	220*150*400		
Packing size (W*H*D)	mm	310*200*480		
Net weight	kg	4.6		
Gross weight	kg	5.6		

Programmable Triple Channel DC Power Supply

MPS-X/XP Series



- 3ch voltage is continuously adjustable at rated voltage and 3ch voltage and current are displayed simultaneously
- Intelligent temperature controlled fan to reduce the noise
- Serial/ Paralle/ Track mode
- Low ripple and noise
- Can be calibrated and monitored through computers
- With SENSE function, can compensate voltage drop on the line
- Output time can be set(0~99999.9s)
- Output controlled by a switch
- 40 groups of storage can be quickly recalled

Standard SENSE RS232 USB Optional LAN

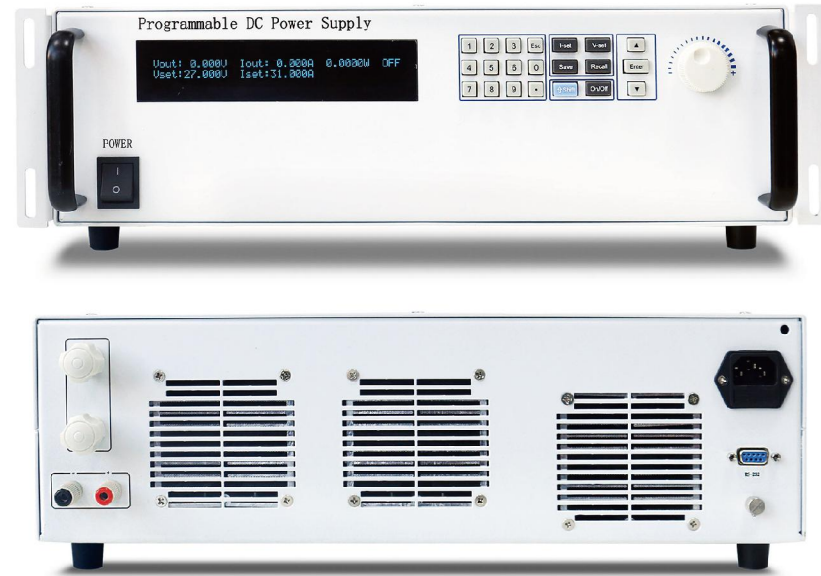
Applications

- Production line work bench routine test
- Lab and institute
- Electronic repair
- Automated equipment integration testing

Model	MPS-3033X	MPS-3063X	MPS-6033X	MPS-3033XP	MPS-3063XP	MPS-6033XP
Rated input voltage	AC220V/110V±10%					
Rated output	Voltage	0~30V*2/0~6V*1	0~30V*2/0~6V*1	0~60V*2/0~6V*1	0~30V*3	0~30V*3
	Current	0~3A*2/0~3A*1	0~6A*2/0~3A*1	0~3A*2/0~3A*1	0~3A*3	0~6A*3
Load regulation rate	Voltage	≤0.01%+3mV				
	Current	≤0.01%+3mA				
Line regulation rate	Voltage	≤0.01%+3mV				
	Current	≤0.01%+3mA				
Set resolution	Voltage	1mV				
	Current	1mA				
Readback resolution	Voltage	1mV				
	Current	1mA				
Set value accuracy	Voltage	≤0.03%+10mV				
	Current	≤0.1%+5mA	≤0.1%+8mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+8mA
Readback value accuracy	Voltage	≤0.03%+10mV				
	Current	≤0.1%+5mA	≤0.1%+8mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+8mA
Ripple and noise	Voltage (rms)	≤2mVrms				
	Current	≤5mA _{rms}				
Series / parallel set -point value accuracy	Voltage	≤0.02%+5mV	≤0.02%+10mV	≤0.02%+5mV	≤0.02%+10mV	≤0.02%+10mV
	Current	≤0.1%+30mA				
Storage	Storage/Call	40 groups				
	Function	timed output off				
Timer	Time set	0.1s~99999.9s				
	Resolution	0.1s				
Interface	RS232,USB					
Working temperature	0~40°C					
Equipment size (W*H*D)	mm	255*110*380	255*110*380	255*110*380	255*110*470	255*110*470
Packing size (W*H*D)	mm	325*210*475	325*210*475	325*210*475	325*210*595	325*210*595
N.W	kg	8.5	8.5	8.5	11	11
G.W	kg	10	10	10	13	13

Programmable DC Power Supply

MPS-P Series



Features

- Sequence output function, convenient and easy to use.
- Data memory function, convenient and quick to call
- Slow-start circuit design for start-up has low surge current and high practicability
- The current can be easily preset without short circuit, subverting your use
- V/A can be set to adjust within an interval to prevent misoperation from damaging the measured object
- Power-on state memory settings
- The buzzer can be turned off and on
- One key to restore factory settings

Standard SENSE RS-232 RS-485 USB

Model	MPS-3030P	MPS-3040P	MPS-3050P	MPS-5030P	MPS-6020P	
Input voltage	AC 220V/110V±10% 50Hz/60Hz					
Rated output	Voltage	0~30V	0~30V	0~30V	0~50V	0~60V
	Current	0~30A	0~40A	0~50A	0~30A	0~20A
Load regulation rate	Voltage	≤0.02%+15mV	≤0.02%+15mV	≤0.02%+15mV	≤0.02%+15mV	≤0.02%+15mV
	Current	≤0.2%+10mA	≤0.2%+10mA	≤0.2%+10mA	≤0.2%+10mA	≤0.2%+10mA
Line regulation rate	Voltage	≤0.02%+15mV	≤0.02%+15mV	≤0.02%+15mV	≤0.02%+15mV	≤0.02%+15mV
	Current	≤0.2%+10mA	≤0.2%+10mA	≤0.2%+10mA	≤0.2%+10mA	≤0.2%+10mA
Set resolution	Voltage	1mV	1mV	1mV	1mV	1mV
	Current	1mA	1mA	1mA	1mA	1mA
Setting accuracy	Voltage	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV
	Current	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+50mA	≤0.1%+5mA
Readback resolution	Voltage	1mV	1mV	1mV	1mV	1mV
	Current	1mA	1mA	1mA	10mA	1mA
Readback accuracy	Voltage	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV
	Current	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+50mA	≤0.1%+5mA
Ripple and noise	Voltage	≤10mV(rms)				
	Current	≤10mA(rms)				
Working environment	0~40°C ≤80%RH					
Dimensions (W×H×D)	cm 480*142*370					
Weight	kg	22	24	25	22	25

4CH Programmable DC Power Supply

MPS-4A Series



Features

- 4 in 1, easy to install and takes up small space
- Each channel is independently adjustable and isolated from each other
- Voltage compensation function to ensure accuracy
- Linear power supply, low ripple
- Panel operation, it is convenient to be used independently
- Different specifications can be combined arbitrarily

Standard RS-232 SENSE

Model	MPS-3034A	MPS-3054A	MPS-6034A	
Rated input voltage	AC220V±10%			
Rated output voltage	0~30V*4CH	0~30V*4CH	0~60V*4CH	
Rated output current	0~3A*4CH	0~5A*4CH	0~3A*4CH	
Transformation method	Linear power supply			
Load regulation rate	Voltage	≤0.02%+5mV		
	Current	≤0.02%+5mA		
Line regulation	Voltage	≤0.02%+5mV		
	Current	≤0.02%+5mA		
Set value resolution	Voltage	1mV		
	Current	0.1mA		
Setting accuracy (25°C±5°C)	Voltage	≤0.05%+5digits		
	Current	≤0.2%+2mA		
Readback resolution	Voltage	1mV		
	Current	0.1mA		
Readback accuracy	Voltage	≤0.05%+5digits		
	Current	≤0.2%+2mA		
Ripple and noise	Voltage	3mVrms		
	Current	3mA rms		
Temperature Coefficient	Operating environment	0 ~ 40 °C ≤ 80% RH		
	Storage environment	-15 ~ 70 °C ≤ 80% RH		
Interface	Standard	RS232		
Size (W*H*D)	mm	440*340*90		
weight	kg	25	22	25

4CH Programmable DC Power Supply

MPS-4 Series



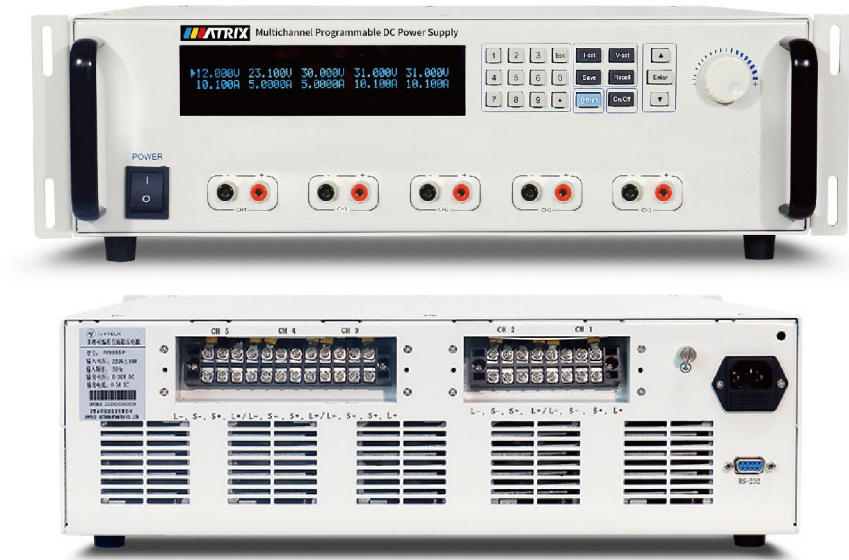
- 4 in 1, easy to install and takes up small space
- Each channel is independently adjustable and isolated from each other
- Voltage compensation function to ensure accuracy
- Linear power supply, low ripple
- Panel operation, it is convenient to be used independently

Standard SENSE RS-232

Model	MPS-3054	MPS-30104	MPS-6034	MPS-6054	
Rated input voltage	AC220V/110V±10%				
Rated output voltage	0~30V*4CH	0~30V*4CH	0~60V*4CH	0~60V*4CH	
Rated output current	0~5A*4CH	0~10A*4CH	0~3A*4CH	0~5A*4CH	
Transformation method	Linear power supply				
Load regulation rate	Voltage	≤0.02%+5mV			
	Current	≤0.02%+5mA			
Line regulation	Voltage	≤0.02%+5mV			
	Current	≤0.02%+5mA			
Set value resolution	Voltage	1mV			
	Current	0.1mA			
Setting accuracy (25°C±5°C)	Voltage	≤0.05%+5digits			
	Current	≤0.05%+2mA			
Readback resolution	Voltage	1mV			
	Current	0.1mA			
Readback accuracy	Voltage	≤0.05%+5digits			
	Current	≤0.05%+2mA			
Ripple and noise	Voltage	≤2mV(rms)	≤5mV(rms)	≤2mV(rms)	≤2mV(rms)
	Current	≤5mA(rms)	≤5mA(rms)	≤5mA(rms)	≤5mA(rms)
Temperature Coefficient	Operating environment	0 ~ 40 °C ≤ 80% RH			
	Storage environment	-15 ~ 70 °C ≤ 80% RH			
Interface	Standard	RS232			
Size (W*H*D)	mm	480*142*370			
weight	kg	23	28	23	28

5CH Programmable DC Power Supply

MPS-5 Series



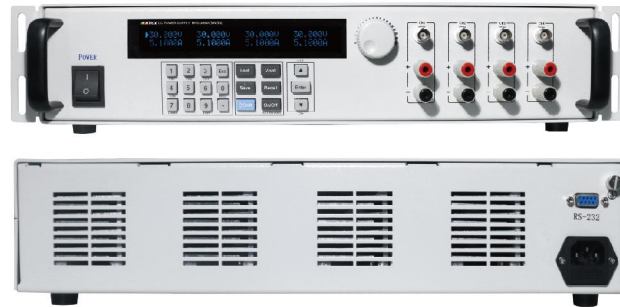
- 5 in 1, easy installation, small volume;
- Five channels are isolated
- Voltage compensation function improves accuracy
- 1mV/0.1mA high resolution
- Linear power supply, low ripple and noise
- Panel operation, it is convenient to be used independently
- Different specifications can be combined arbitrarily

Standard SENSE RS-232

Model	MPS-3055	MPS-6035
Rated input voltage	AC220V/110V±10%	
Rated output voltage	0~30V*5CH	0~60V*5CH
Rated output current	0~5A*5CH	0~3A*5CH
Transformation method	Linear power supply	
Load regulation rate	Voltage	≤0.02%+5mV
	Current	≤0.02%+5mA
Line regulation rate	Voltage	≤0.02%+5mV
	Current	≤0.02%+5mA
Set value resolution	Voltage	1mV
	Current	0.1mA
Setting accuracy (25°C±5°C)	Voltage	≤0.05%+5digits
	Current	≤0.05%+2mA
Readback resolution	Voltage	1mV
	Current	0.1mA
Readback accuracy	Voltage	≤0.05%+5digits
	Current	≤0.05%+2mA
Ripple and noise	Voltage	≤2mV(rms)
	Current	≤5mA(rms)
Temperature Coefficient	Operating environment	0 ~ 40 °C ≤ 80% RH
	Storage environment	-15 ~ 70 °C ≤ 80% RH
Interface	Standard	RS232
Size (W*H*D)	mm	480*142*370
weight	kg	25

4CH Programmable DC Power Supply

MFP-2000 Series



Features

- List sequence output function
- 4 in 1 easy to install and occupies a small space
- Each channel is independently adjustable and isolated from each other
- Voltage compensation function ensures accuracy
- Intelligent temperature controlled fan for quieter usage environment
- Voltage and current range setting function
- Button sound on/off function

Standard RS-232 SENSE

Applications

- Production line work bench routine test
- Lab and institute
- Electronic repair
- Automated equipment integration testing

Model	MFP-2000	MFP-2001	MFP-2002
Rated input voltage	AC 110V/220V±10%		
Rated output voltage	0~32V*4CH	0~32V*4CH	0~60V*4CH
Rated output current	0~6A*4CH	0~10A*4CH	0~5A*4CH
Transformer mode	Switching power supply		
Load regulation rate	Voltage	≤0.02%+5mV	≤0.02%+8mV
	Current	≤0.02%+5mA	≤0.02%+5mA
Line regulation rate	Voltage	≤0.02%+5mV	≤0.02%+8mV
	Current	≤0.02%+5mA	≤0.02%+5mA
Set value resolution	Voltage	1mV	1mV
	Current	0.1mA	0.1mA
Setting accuracy (25°C±5°C)	Voltage	≤0.1%+8mV	≤0.1%+8mV
	Current	≤0.2%+2mA	≤0.2%+2mA
Read back resolution	Voltage	1mV	1mV
	Current	0.1mA	0.1mA
Readback accuracy (25°C±5°C)	Voltage	≤0.1%+8mV	≤0.1%+8mV
	Current	≤0.2%+2mA	≤0.2%+2mA
Ripple	Voltage	≤8mV(rms)	≤8mV(rms)
	Current	≤3mA(rms)	≤5mA(rms)
Temperature	Operational environment	0 ~ 40 °C ≤ 80% RH	
	Storage environment	-15 ~ 70 °C ≤ 80% RH	
Interface	Standard	RS232	
Size(W*H*D)	mm	480*142*370	
Net weight	kg	9kg	

4CH Programmable DC Power Supply

MFP-4000 Series



Features

- List sequence output function
- 4 in 1 easy to install and occupies a small space
- Wide range output, rated power 300W 80V/10A
- Each channel is independently adjustable and isolated from each other
- Intelligent temperature controlled fan for quieter usage environment
- Panel operation, convenient for single machine use
- Voltage and current range setting function
- Button sound on/off function

Standard RS-232 SENSE

Applications

- Production line work bench routine test
- Lab and institute
- Electronic repair
- Automated equipment integration testing

Model	MFP-4000	MFP-4001	MFP-4002
Rated input voltage	AC 110V/220V±10%		
Rated output power	150W*4CH	300W*4CH	300W*4CH
Rated output voltage	0~80V*4CH	0~80V*4CH	0~150V*4CH
Rated output current	0~6A*4CH	0~10A*4CH	0~5A*4CH
Transformer mode	Switching power supply		
Load regulation rate	Voltage	≤0.02%+5mV	
	Current	≤0.02%+5mA	
Line regulation rate	Voltage	≤0.02%+5mV	
	Current	≤0.02%+5mA	
Set value resolution	Voltage	1mV	
	Current	0.1mA	
Setting accuracy (25°C±5°C)	Voltage	≤0.1%+8mV	
	Current	≤0.2%+2mA	
Read back resolution	Voltage	1mV	
	Current	0.1mA	
Readback accuracy (25°C±5°C)	Voltage	≤0.1%+8mV	
	Current	≤0.2%+2mA	
Ripple	Voltage	≤8mV(rms)	
	Current	≤3mA(rms)	
Temperature	Operational environment	0 ~ 40 °C ≤ 80% RH	
	Storage environment	-15 ~ 70 °C ≤ 80% RH	
Interface	Standard	RS232	
Size(W*H*D)	mm	480*142*370	
Net weight	kg	9kg	

4CH Programmable DC Power Supply

MFP-3000 Series



Features

- 4-channel and maximum total output power of 384W
- Each channel has a rated maximum power of 160W, a maximum output voltage of 32V, and a maximum output current of 10A
- List sequence output function
- Synchronous output, in synchronous mode, if any parameter is changed, the corresponding parameters of other channels will also change proportionally
- Electronic fuses. Limits for all protection functions can be configured separately for each channel, and the delay time of electronic fuses can be set
- Simulate battery charging curve function
- Remote voltage compensation function to ensure usage accuracy
- All channels have overload and short circuit protection
- OCP/OVP/OTP protection function
- Widely used in laboratory and ATE applications

标配 RS-232 USB SENSE

选配 LAN

Model	MFP-3001	
Rated input voltage	AC 110V/220V±10%	
Output	All channel outputs are currently isolated and ungrounded	
Rated output power	160W*4CH	
Rated output voltage	0-32V*4CH	
Rated output current	0-10A*4CH	
Variable pressure mode	Linear power supply	
Maximum voltage when connected in series	128V	
Maximum current when connected in parallel	40A	
Load regulation rate	Voltage	≤0.01% + 2 mV
	Current	≤0.01% + 250 μA
Power supply regulation	Voltage	≤0.01% + 2 mV
	Current	≤0.01% + 250 μA
Set value resolution	Voltage	1mV
	Current	< 1 A: 0.2mA; ≥ 1 A: 1 mA
Setting accuracy (25°C±5°C)	Voltage	≤0.05% + 5 mV
	Current	≤ 0.1% + 5 mA
Readback value resolution	Voltage	1mV
	Current	< 1 A: 0.2mA; ≥ 1 A: 1 mA
Readback accuracy (25°C±5°C)	Voltage	≤0.05% + 5 mV
	Current	≤ 0.1% + 2 mA
Ripple(20Hz-20MHz)	Voltage	≤1.5 mV (RMS)
	Current	≤1 mA (RMS)
Temperature	Operational environment	5 to 40°C ≤ 80% R.H
	Storage environment	-20 to 70°C ≤ 80% R.H
Sense compensate	Maximum voltage compensation	1V
Remote communication time	Handling	< 50 ms
Electronic fuse	Response time	< 10 ms
	Fuse delay	0 ms to 250 ms (10 ms step)
Interface	Standard	RS-232+USB
	Optional	LAN
Size(W*H*D, mm)	mm	285 × 136 × 405
Net weight	kg	14kg

Programmable DC Power Supply

MPS-1800S Series



Standard RS-232 RS-485 SENSE

Optional Analog signal interface

Features

- Simultaneous five digit display of voltage and current, precise and easy to use
- Adopting PWM modulation and high gain amplification circuit design, stable and reliable
- The panel has preset buttons that can preset voltage and current values
- Complete protection functions: OVP、OCP、OTP、Short circuit protection
- Key lock function
- Key components are imported to ensure long-term full load operation
- Remote voltage compensation function ensures usage accuracy

Model	Voltage	Current	Power
MPS-1800S-30-60	0-30.000V	0-60.000A	1800W
MPS-1800S-60-30	0-60.000V	0-30.000A	1800W
MPS-1800S-100-18	0-100.00V	0-18.000A	1800W
MPS-1800S-150-12	0-150.00V	0-12.000A	1800W
MPS-1800S-200-9	0-200.00V	0-9.0000A	1800W
MPS-1800S-300-6	0-300.00V	0-6.0000A	1800W
AC input	Single phase	AC220V±10%, 50Hz	
DC output	Output voltage	0V - rating	
	Output current	0A - rating	
	Output power	0W - rating	
Load regulation	Voltage	≤0.1%FS+0.1%FS	
	Current	≤0.1%FS+0.1%FS	
Setting value accuracy	Voltage	≤0.1%FS+0.1%FS	
	Current	≤0.1%FS+0.1%FS	
Readback value accuracy	Voltage	≤0.1%FS+0.1%FS	
	Current	≤0.1%FS+0.1%FS	
Ripple(20Hz-20MHz)	Voltage	Vrms≤0.2%FS+50mV	
Dynamic response time(10% -90% load)	≤5mS		
Display method	4 and a half digit meter (LED digital tube display)		
Display resolution	Voltage0.001V/0.01V/0.1V,Current0.001A/0.01A/0.1A		
Interface	RS232/RS485		
Functional protection	OVP, OCP, OTP, Short circuit protection		
Heat dissipation method	Adopting PWM speed regulating fan, air-cooled		
Operating environment	Temperature 0 °C -40 °C; Humidity 10% -85% RH		
Environment	Temperature -20 °C -70 °C; Humidity 10% -90% RH		
Special requirements	Other specifications and models can be customized		
Size (mm)	215×360×88 (W*D*H mm)		
Weight (kg)	5.5KG		

Programmable DC Power Supply

MPS-3600S Series



Features

- Simultaneous five digit display of voltage and current, precise and easy to use
- Adopting PWM modulation and high gain amplification circuit design, stable and reliable
- The panel has preset buttons that can preset voltage and current values
- Complete protection functions: OVP, OCP, OTP, Short circuit protection
- Key lock function
- Key components are imported to ensure long-term full load operation
- Remote voltage compensation function ensures usage accuracy

Standard RS-232 RS-485 SENSE

Optional Analog signal interface

Model	Voltage	Current	Power
MPS-3600S-30-120	0-30.000V	0-120.00A	3600W
MPS-3600S-60-60	0-60.000V	0-60.000A	3600W
MPS-3600S-100-36	0-100.00V	0-36.000A	3600W
MPS-3600S-150-24	0-150.00V	0-24.000A	3600W
MPS-3600S-200-18	0-200.00V	0-18.000A	3600W
MPS-3600S-300-12	0-300.00V	0-12.000A	3600W
MPS-3600S-600-3	0-600.00V	0-3.0000A	1800W
MPS-3600S-600-6	0-600.00V	0-6.0000A	3600W
AC input	Single phase AC220V±10%, 50Hz		
DC output	Output voltage	0V - rating	
	Output current	0A - rating	
	Output power	0W - rating	
Load regulation	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Setting value accuracy	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Readback value accuracy	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Ripple(20Hz-20MHz)	Voltage	Vrms≤0.2%F.S+50mV	
Dynamic response time(10% -90% load)	≤5mS		
Display method	4 and a half digit meter (LED digital tube display)		
Display resolution	Voltage0.001V/0.01V/0.1V,Current0.001A/0.01A/0.1A		
Interface	RS232/RS485		
Functional protection	OVP, OCP, OTP, Short circuit protection		
Heat dissipation method	Adopting PWM speed regulating fan, air-cooled		
Operating environment	Temperature 0 °C -40 °C; Humidity 10% -85% RH		
Environment	Temperature -20 °C -70 °C; Humidity 10% -90% RH		
Special requirements	Other specifications and models can be customized		
Size (mm)	430×400×88 (W*D*H mm)		
Weight (kg)	7.5KG		

Programmable DC Power Supply

MPS-6000S Series



Features

- Simultaneous five digit display of voltage and current, precise and easy to use
- Adopting PWM modulation and high gain amplification circuit design, stable and reliable
- The panel has preset buttons that can preset voltage and current values
- Complete protection functions: OVP, OCP, OTP, Short circuit protection
- Key lock function
- Key components are imported to ensure long-term full load operation
- Remote voltage compensation function ensures usage accuracy

Standard RS-232 RS-485 SENSE

Optional Analog signal interface

Model	Voltage	Current	Power
MPS-6000S-30-200	0-30.000V	0-200.00A	6000W
MPS-6000S-60-100	0-60.000V	0-100.00A	6000W
MPS-6000S-100-60	0-100.00V	0-60.000A	6000W
MPS-6000S-150-40	0-150.00V	0-40.000A	6000W
MPS-6000S-200-30	0-200.00V	0-30.000A	6000W
MPS-6000S-300-20	0-300.00V	0-20.000A	6000W
MPS-6000S-600-10	0-600.00V	0-10.000A	6000W
MPS-6000S-1000-3	0-1000.0V	0-3.0000A	3000W
MPS-6000S-1000-6	0-1000.0V	0-6.0000A	6000W
MPS-6000S-1200-3	0-1200.0V	0-3.0000A	3600W
MPS-6000S-1200-5	0-1200.0V	0-5.0000A	6000W
MPS-6000S-1500-1	0-1500.0V	0-1.0000A	1500W
MPS-6000S-2000-1	0-2000.0V	0-1.0000A	2000W
MPS-6000S-2000-2	0-2000.0V	0-2.0000A	4000W
AC input	Uniphase: AC220V±10%, 50Hz or Three-phase: AC380V±10%, 50Hz		
DC output	Output voltage	0V - rating	
	Output current	0A - rating	
	Output power	0W - rating	
Load regulation	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Setting value accuracy	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Readback value accuracy	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Ripple(20Hz-20MHz)	Voltage	Vrms≤0.2%F.S+50mV	
Dynamic response time(10% -90% load)	≤5mS		
Display method	4 and a half digit meter (LED digital tube display)		
Display resolution	Voltage0.001V/0.01V/0.1V,Current0.001A/0.01A/0.1A		
Interface	RS232/RS485		
Functional protection	OVP, OCP, OTP, Short circuit protection		
Heat dissipation method	Adopting PWM speed regulating fan, air-cooled		
Operating environment	Temperature 0 °C -40 °C; Humidity 10% -85% RH		
Environment	Temperature -20 °C -70 °C; Humidity 10% -90% RH		
Special requirements	Other specifications and models can be customized		
Size (mm)	430×500×88 (W*D*H mm)		
Weight (kg)	16KG		

Programmable DC Power Supply

MPS-7500S Series



Standard RS-232 RS-485 SENSE

Optional Analog signal interface

Features

- Simultaneous five digit display of voltage and current, precise and easy to use
- Adopting PWM modulation and high gain amplification circuit design, stable and reliable
- The panel has preset buttons that can preset voltage and current values
- Complete protection functions: OVP, OCP, OTP, Short circuit protection
- Key lock function
- Key components are imported to ensure long-term full load operation
- Remote voltage compensation function ensures usage accuracy

Model	Voltage	Current	Power
MPS-7500S-30-250	0-30.000V	0-250.00A	7500W
MPS-7500S-60-125	0-60.000V	0-125.00A	7500W
MPS-7500S-100-75	0-100.00V	0-75.000A	7500W
MPS-7500S-150-50	0-150.00V	0-50.000A	7500W
MPS-7500S-200-36	0-200.00V	0-36.000A	7200W
MPS-7500S-300-25	0-300.00V	0-25.000A	7500W
MPS-7500S-600-12	0-600.00V	0-12.000A	7200W
MPS-7500S-1200-6	0-1200.0V	0-6.0000A	7200W
MPS-7500S-1500-5	0-1500.0V	0-5.0000A	7500W
AC input	Three-phase	AC380V±10%, 50Hz	
DC output	Output voltage	0V - rating	
	Output current	0A - rating	
	Output power	0W - rating	
Load regulation	Voltage	≤0.1%FS+0.1%FS	
	Current	≤0.1%FS+0.1%FS	
Setting value accuracy	Voltage	≤0.1%FS+0.1%FS	
	Current	≤0.1%FS+0.1%FS	
Readback value accuracy	Voltage	≤0.1%FS+0.1%FS	
	Current	≤0.1%FS+0.1%FS	
Ripple(20Hz-20MHz)	Voltage	Vrms≤0.2%FS+50mV	
Dynamic response time(10% -90% load)	≤5mS		
Display method	4 and a half digit meter (LED digital tube display)		
Display resolution	Voltage0.001V/0.01V/0.1V,Current0.001A/0.01A/0.1A		
Interface	RS232/RS485		
Functional protection	OVP, OCP, OTP, Short circuit protection		
Heat dissipation method	Adopting PWM speed regulating fan, air-cooled		
Operating environment	Temperature 0 °C -40 °C; Humidity 10% -85% RH		
Environment	Temperature -20 °C -70 °C; Humidity 10% -90% RH		
Special requirements	Other specifications and models can be customized		
Size (mm)	430×500×88 (W*D*H mm)		
Weight (kg)	16KG		

Programmable DC Power Supply

MPS-10000S Series



Standard RS-232 RS-485 SENSE

Optional Analog signal interface

Features

- Simultaneous five digit display of voltage and current, precise and easy to use
- Adopting PWM modulation and high gain amplification circuit design, stable and reliable
- The panel has preset buttons that can preset voltage and current values
- Complete protection functions: OVP, OCP, OTP, Short circuit protection
- Key lock function
- Key components are imported to ensure long-term full load operation
- Remote voltage compensation function ensures usage accuracy

Model	Voltage	Current	Power
MPS-10000S-100-100	0-100.00V	0-100.00A	10000W
MPS-10000S-200-50	0-200.00V	0-50.000A	10000W
MPS-10000S-1000-10	0-1000.0V	0-10.000A	10000W
MPS-10000S-2000-5	0-2000.0V	0-5.0000A	10000W
AC input	Three-phase	AC380V±10%, 50Hz	
DC output	Output voltage	0V - rating	
	Output current	0A - rating	
	Output power	0W - rating	
Load regulation	Voltage	≤0.1%FS+0.1%FS	
	Current	≤0.1%FS+0.1%FS	
Setting value accuracy	Voltage	≤0.1%FS+0.1%FS	
	Current	≤0.1%FS+0.1%FS	
Readback value accuracy	Voltage	≤0.1%FS+0.1%FS	
	Current	≤0.1%FS+0.1%FS	
Ripple(20Hz-20MHz)	Voltage	Vrms≤0.2%FS+50mV	
Dynamic response time(10% -90% load)	≤5mS		
Display method	4 and a half digit meter (LED digital tube display)		
Display resolution	Voltage0.001V/0.01V/0.1V,Current0.001A/0.01A/0.1A		
Interface	RS232/RS485		
Functional protection	OVP, OCP, OTP, Short circuit protection		
Heat dissipation method	Adopting PWM speed regulating fan, air-cooled		
Operating environment	Temperature 0 °C -40 °C; Humidity 10% -85% RH		
Environment	Temperature -20 °C -70 °C; Humidity 10% -90% RH		
Special requirements	Other specifications and models can be customized		
Size (mm)	430×560×132 (W*D*H mm)		
Weight (kg)	26KG		

Programmable DC Power Supply

MPS-12000S Series



Features

- Simultaneous five digit display of voltage and current, precise and easy to use
- Adopting PWM modulation and high gain amplification circuit design, stable and reliable
- The panel has preset buttons that can preset voltage and current values
- Complete protection functions: OVP, OCP, OTP, Short circuit protection
- Key lock function
- Key components are imported to ensure long-term full load operation
- Remote voltage compensation function ensures usage accuracy

Standard RS-232 RS-485 SENSE

Optional Analog signal interface

Model	Voltage	Current	Power
MPS-12000S-30-400	0-30.000V	0-400.00A	12000W
MPS-12000S-60-200	0-60.000V	0-200.00A	12000W
MPS-12000S-150-80	0-150.00V	0-80.000A	12000W
MPS-12000S-300-40	0-300.00V	0-40.000A	12000W
MPS-12000S-600-20	0-600.00V	0-20.000A	12000W
AC input	Three-phase	AC380V±10%, 50Hz	
DC output	Output voltage	0V - rating	
	Output current	0A - rating	
	Output power	0W - rating	
Load regulation	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Setting value accuracy	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Readback value accuracy	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Ripple(20Hz-20MHz)	Voltage	Vrms≤0.2%F.S+50mV	
Dynamic response time(10% -90% load)	≤5mS		
Display method	4 and a half digit meter (LED digital tube display)		
Display resolution	Voltage0.001V/0.01V/0.1V,Current0.001A/0.01A/0.1A		
Interface	RS232/RS485		
Functional protection	OVP, OCP, OTP, Short circuit protection		
Heat dissipation method	Adopting PWM speed regulating fan, air-cooled		
Operating environment	Temperature 0 °C -40 °C; Humidity 10% -85% RH		
Environment	Temperature -20 °C -70 °C; Humidity 10% -90% RH		
Special requirements	Other specifications and models can be customized		
Size (mm)	430×560×132 (W*D*H mm)		
Weight (kg)	26KG		

Programmable DC Power Supply

MPS-15000S Series



Features

- Simultaneous five digit display of voltage and current, precise and easy to use
- Adopting PWM modulation and high gain amplification circuit design, stable and reliable
- The panel has preset buttons that can preset voltage and current values
- Complete protection functions: OVP, OCP, OTP, Short circuit protection
- Key lock function
- Key components are imported to ensure long-term full load operation
- Remote voltage compensation function ensures usage accuracy

Standard RS-232 RS-485 SENSE

Optional Analog signal interface

Model	Voltage	Current	Power
MPS-15000S-30-500	0-30.000V	0-500.00A	15000W
MPS-15000S-60-250	0-60.000V	0-250.00A	15000W
MPS-15000S-100-150	0-100.00V	0-150.00A	15000W
MPS-15000S-150-100	0-150.00V	0-100.00A	15000W
MPS-15000S-200-75	0-200.00V	0-75.000A	15000W
MPS-15000S-300-50	0-300.00V	0-50.000A	15000W
MPS-15000S-600-25	0-600.00V	0-25.000A	15000W
MPS-15000S-1000-15	0-1000.0V	0-15.000A	15000W
MPS-15000S-1500-10	0-1500.0V	0-10.000A	15000W
MPS-15000S-2000-5	0-2000.0V	0-5.0000A	10000W
AC input	Three-phase	AC380V±10%, 50Hz	
DC output	Output voltage	0V - rating	
	Output current	0A - rating	
	Output power	0W - rating	
Load regulation	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Setting value accuracy	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Readback value accuracy	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Ripple(20Hz-20MHz)	Voltage	Vrms≤0.2%F.S+50mV	
Dynamic response time(10% -90% load)	≤5mS		
Display method	4 and a half digit meter (LED digital tube display)		
Display resolution	Voltage0.001V/0.01V/0.1V,Current0.001A/0.01A/0.1A		
Interface	RS232/RS485		
Functional protection	OVP, OCP, OTP, Short circuit protection		
Heat dissipation method	Adopting PWM speed regulating fan, air-cooled		
Operating environment	Temperature 0 °C -40 °C; Humidity 10% -85% RH		
Environment	Temperature -20 °C -70 °C; Humidity 10% -90% RH		
Special requirements	Other specifications and models can be customized		
Size (mm)	430×560×132 (W*D*H mm)		
Weight (kg)	26KG		

Programmable DC Power Supply

MPS-1802S Series



Features

- Simultaneous five digit display of voltage and current, precise and easy to use
- Adopting PWM modulation and high gain amplification circuit design, stable and reliable
- The panel has preset buttons that can preset voltage and current values
- Complete protection functions: OVP, OCP, OTP, Short circuit protection
- Key lock function
- Key components are imported to ensure long-term full load operation
- Remote voltage compensation function ensures usage accuracy

Standard RS-232 RS-485 SENSE

Optional Analog signal interface

Model	Voltage	Current	Power
MPS-1802S-30-60	0-30.000V	0-60.000A	1800W*2
MPS-1802S-60-30	0-60.000V	0-30.000A	1800W*2
MPS-1802S-100-18	0-100.00V	0-18.000A	1800W*2
MPS-1802S-150-12	0-150.00V	0-12.000A	1800W*2
MPS-1802S-200-9	0-200.00V	0-9.0000A	1800W*2
MPS-1802S-300-6	0-300.00V	0-6.0000A	1800W*2
AC input	Single phase	AC220V±10%, 50Hz	
DC output	Output voltage	0V - rating	
	Output current	0A - rating	
	Output power	0W - rating	
Load regulation	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Setting value accuracy	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Readback value accuracy	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Ripple(20Hz-20MHz)	Voltage	Vrms≤0.2%F.S+50mV	
Dynamic response time(10% -90% load)	≤5mS		
Display method	4 and a half digit meter (LED digital tube display)		
Display resolution	Voltage0.001V/0.01V/0.1V,Current0.001A/0.01A/0.1A		
Interface	RS232/RS485		
Functional protection	OVP, OCP, OTP, Short circuit protection		
Heat dissipation method	Adopting PWM speed regulating fan, air-cooled		
Operating environment	Temperature 0 °C -40 °C; Humidity 10% -85% RH		
Environment	Temperature -20 °C -70 °C; Humidity 10% -90% RH		
Special requirements	Other specifications and models can be customized		
Size (mm)	430×420×88 (W*D*H mm)		
Weight (kg)	11KG		

Programmable DC Power Supply

MPS-3602S Series



Features

- Simultaneous five digit display of voltage and current, precise and easy to use
- Adopting PWM modulation and high gain amplification circuit design, stable and reliable
- The panel has preset buttons that can preset voltage and current values
- Complete protection functions: OVP, OCP, OTP, Short circuit protection
- Key lock function
- Key components are imported to ensure long-term full load operation
- Remote voltage compensation function ensures usage accuracy

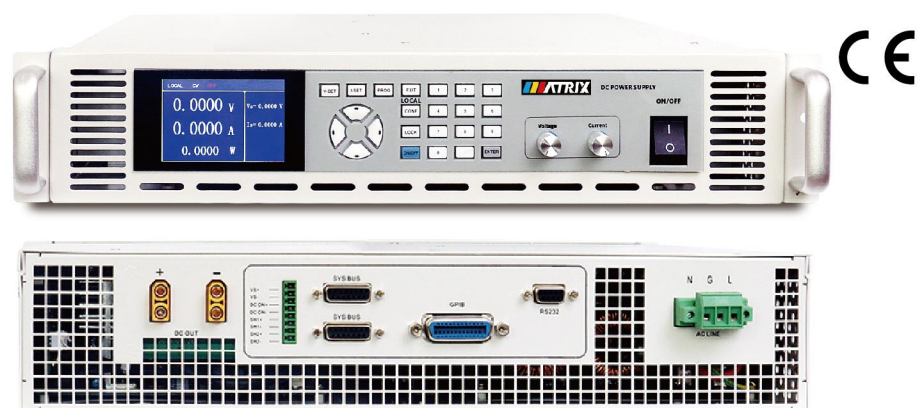
Standard RS-232 RS-485 SENSE

Optional Analog signal interface

Model	Voltage	Current	Power
MPS-3602S-30-120	0-30.000V	0-120.00A	3600W*2
MPS-3602S-60-60	0-60.000V	0-60.000A	3600W*2
MPS-3602S-100-36	0-100.00V	0-36.000A	3600W*2
MPS-3602S-150-24	0-150.00V	0-24.000A	3600W*2
MPS-3602S-200-18	0-200.00V	0-18.000A	3600W*2
MPS-3602S-300-12	0-300.00V	0-12.000A	3600W*2
MPS-3602S-600-3	0-600.00V	0-3.0000A	1800W*2
MPS-3602S-600-6	0-600.00V	0-6.0000A	3600W*2
AC input	Single phase	AC220V±10%, 50Hz	
DC output	Output voltage	0V - rating	
	Output current	0A - rating	
	Output power	0W - rating	
Load regulation	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Setting value accuracy	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Readback value accuracy	Voltage	≤0.1%F.S+0.1%F.S	
	Current	≤0.1%F.S+0.1%F.S	
Ripple(20Hz-20MHz)	Voltage	Vrms≤0.2%F.S+50mV	
Dynamic response time(10% -90% load)	≤5mS		
Display method	4 and a half digit meter (LED digital tube display)		
Display resolution	Voltage0.001V/0.01V/0.1V,Current0.001A/0.01A/0.1A		
Interface	RS232/RS485		
Functional protection	OVP, OCP, OTP, Short circuit protection		
Heat dissipation method	Adopting PWM speed regulating fan, air-cooled		
Operating environment	Temperature 0 °C -40 °C; Humidity 10% -85% RH		
Environment	Temperature -20 °C -70 °C; Humidity 10% -90% RH		
Special requirements	Other specifications and models can be customized		
Size (mm)	430×400×88 (W*D*H mm)		
Weight (kg)	15KG		

Programmable DC Power Supply

HPS Series



- Multiple voltage series, multiple models to choose: 300V/600V/1000V
- Single power range: 3kW/5kW/10kW/15kW
- Single voltage range: 0-1000V, current range: 0-60A
- 30/15kW High power density
- Supports multiple power supplies in parallel, power up to 150kW
- High precision in measuring voltage and current
- Programmable change slope in output voltage and current
- Programmable sets of voltage and current sequences
- Remote voltage compensation, output DC-ON signal
- Perfect protection function OVP, OCP, OHP, fan failure
- Full color LCD display, digital keyboard, make operation more convenient
- Effectively prevent current reverse
- Standard RS-232, optional GPIB
- No-load fast discharge design

Standard RS232 Optional GPIB

Model	HPS Serie	
AC input	≤3kW single phase 220V±10% > 3kW triple phase 380V±10%	
DC output	Voltage 0-1000V adjustable, current 0-120A, power 0-15kW adjustable	
CV accuracy	Source effect	≤0.01%Effective value(Rate of change in output current caused by ±10% changed in input voltage)
	Time drift	≤0.05%Effective value(Rate of change in output current caused by the power supply working continuously for 8 hours)
	Temperature drift	≤0.1%Effective value/°C(Rate of change in output voltage caused by changes in ambient temperature in the temperature range)
	Load effect	≤0.02%Effective value(Rate of change in output voltage caused when the output current of the power supply changes from zero to the rated value)
CC accuracy	Source effect	≤0.05%Effective value(Rate of change in output current caused by ±10% changed in input voltage)
	Time drift	≤0.5%Effective value(Rate of change in output current caused by the power supply working continuously for 8 hours)
	Temperature drift	≤0.2%Effective value/°C(Rate of change in output current caused by changes in ambient temperature in the temperature range)
	Load effect	≤0.1%Effective value(Rate of change in output current caused when the output current of the power supply changes from zero to the rated value)
Output ripple	CV status	≤25mV (RMS) (Effect value)
	CC status	≤60mA (RMS) (Effect value)
Output display	Voltage accuracy	0.1%+0.1%F.S.
	Current accuracy	0.1%+0.2%F.S.
Voltage set	Digital keyboard +knob Resolution:1.7mV	
Current set	Digital keyboard +knob Resolution:0.9mA	
Transient response	<20ms	
CV/C switch	<1ms	
OVP	Built-in OVP, protection value is +10% of rated value, turn off the output after protection	
OCP	Over load, short circuit is turn to CC mode output	
OTP	Built-inOTP, protection value is 85°C±5%(Radiator temperature), turn off the output after protection	
Output polarity	Output positive(+), negative(-)	
Cooling mode	Forced air cooling	
Operation environment	Indoor using design, temperature:0°C~40°C; humidity:10%~85%RH	
Storage environment	Temperature:-20°C~70°C; humidity:10%~90%RH	
Communication Interface	RS232, GPIB(Optional)	

≤3kW series product selection table

(Weight:10kg Size:430*90*480mm)

Model	Voltage	Current	Power
HPS-4080A	0-40.000V	0-80.000A	1200W
HPS-6050A	0-60.000V	0-50.000A	1200W
HPS-8030A	0-80.000V	0-30.000A	1200W
HPS-10025A	0-100.00V	0-25.000A	1200W
HPS-16010A	0-160.00V	0-10.000A	1200W
HPS-40100B	0-40.000V	0-100.00A	1800W
HPS-8040B	0-80.000V	0-40.000A	1800W
HPS-10030B	0-100.00V	0-30.000A	1800W
HPS-16015B	0-160.00V	0-15.000A	1800W
HPS-30010B	0-300.00V	0-10.000A	1800W
HPS-6005B	0-600.000V	0-5.0000A	1800W
HPS-40120C	0-40.000V	0-120.00A	2400W
HPS-8050C	0-80.000V	0-50.000A	2400W
HPS-10040C	0-100.00V	0-40.000A	2400W
HPS-16020C	0-160.00V	0-20.000A	2400W
HPS-30015C	0-300.00V	0-15.000A	2400W
HPS-6008C	0-600.00V	0-8.0000A	2400W
HPS-40120D	0-40.000V	0-120.00A	3000W
HPS-8060D	0-80.000V	0-60.000A	3000W
HPS-10050D	0-100.00V	0-50.000A	3000W
HPS-16030D	0-160.00V	0-30.000A	3000W
HPS-30020D	0-300.00V	0-20.000A	3000W
HPS-60010D	0-600.00V	0-10.000A	3000W

5kW series product selection table(Three-phase input 380V)

(Weight:18kg Size:430*132*610mm)

Model	Voltage	Current	Power
HPS-32020E	0-320.00V	0-20.000A	5000W
HPS-45015E	0-450.00V	0-15.000A	5000W
HPS-60010E	0-600.00V	0-10.000A	5000W
HPS-80010E	0-800.00V	0-10.000A	5000W
HPS-10008E	0-1000.0V	0-8.0000A	5000W

10kW series product selection table(Three-phase input 380V)

(Weight:25kg Size:430*132*610mm)

Model	Voltage	Current	Power
HPS-30040F	0-300.00V	0-40.000A	10000W
HPS-45025F	0-450.00V	0-25.000A	10000W
HPS-60020F	0-600.00V	0-20.000A	10000W
HPS-80015F	0-800.00V	0-15.000A	10000W
HPS-100016F	0-1000.0V	0-16.000A	10000W

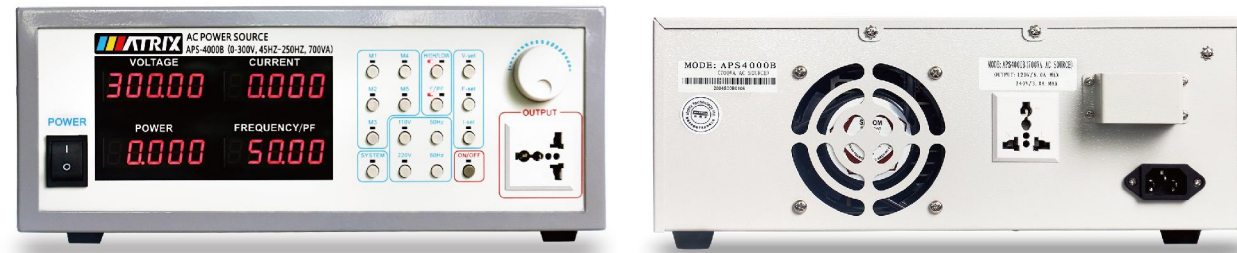
15kW series product selection table(Three-phase input 380V)

(Weight:36kg Size:430*132*610mm)

Model	Voltage	Current	Power
HPS-30060G	0-300.00V	0-60.000A	15000W
HPS-45030G	0-450.00V	0-30.000A	15000W
HPS-60030G	0-600.00V	0-30.000A	15000W
HPS-80020G	0-800.00V	0-20.000A	15000W
HPS-100020G	0-1000.0V	0-20.000A	15000W

Storage AC Power Source

APS-4000 Series



- The advanced direct digital frequency synthesizer (DDS) waveform is used to achieve high frequency stability, good continuity and accurate measurement
- Keyboard shortcuts: 110V, 220V, 50Hz, 60Hz quick switch
- Key LOCK function prevents inadvertent touch
- With key lock M1, M2, M3, M4 and M5 five sets of memory, can store the commonly used voltage V and frequency F, easy to recall them by one key
- Push-down infinite coding knob switch, adjusting cursor position by pressing the knob.
- Four window five digit display, display voltage V, frequency F, current I, power P, power factor PF simultaneously, and more accurate.
- Measuring function: voltage, current, frequency, power, power factor
- Strong overload capacity, 300% overload 2s;
- Intelligent alarming function: automatically judge the cause of failure and situation, as well as display the code when alarming is reported;
- Equipped with 100% load and unload function, the voltage stabilizing reaction time is within 20ms
- Output voltage 0-150.00V、0-300.00V
- Input frequency 45.00-250.00Hz
- Input and output are isolated
- Has soft start function to avoid the damage to power supply caused by the instantaneous impulse current of the load (such as motor) when power on.

Model	APS-4000A	APS-4000B	APS-4000C	
Capacity	350VA	700VA	1200VA	
Working mode	SPWM			
The input				
Number of phase	1Φ2W			
Voltage	220V±10%			
Frequency	45Hz-250Hz			
The output				
Number of phase	1Φ2W			
Voltage	0-150VAC/0-300VAC AUTO			
Frequency	45-250Hz (0.1Step)			
Maximum current	L=120V	3A	6A	10A
	H=240V	1.5A	3A	5A
Load regulation	1%			
T.H.D	2% Low grade 120V, high grade 240V, with pure resistive load			
Frequency stability	0.01%			
Display	Vrms, Arms, Fre, Wattage, PF			
Voltage resolution	0.01V			
Frequency resolution	0.01Hz			
Current resolution	0.001A			
Storage	M1(V_F_A), M2(V_F_A), M3(V_F_A)			
Communication interface	RS-232C			
Set the current limit	0-MaxCurrent(P/240 Maximum current is: maximum capacity /240V is P/240)			
The output protection	OverCurrent	OverTemp	OverLoad	ShortCircuit
Operation environment	0-40°C 20-80%RH			
Net weight (kg)	12.7	15	18.5	
Gross weight (kg)	14.5	16.7	20	
Instrument size (W*H*D)	365*150*430	365*150*430	365*150*430	
Packing size (W*H*D)	510*255*550	510*255*550	510*255*550	

Adjustable AC Power Meter

APS-6000 Series



- Output voltage AC 0-300v adjustable and power 1000VA
- A/P/PF upper and lower limit Settings, with voice alarm function
- The four Windows display V, A, P, Apk/PF/F switching
- Easy to use, safe and reliable

Model	APS-6100	APS-6200	APS-6100B
The input voltage	AC 220V		
The output voltage	AC 0-300V Adjustable		
The output current	3.3A	6.6A	3.3A
Power	1kw	2kw	1kw
Display	V / A / P / PF / F / Apk		
Display precision	0.5%+2 digits		
Upper limit setting	√		
Output switch	√		
Sound alarming	√		
Isolate the output	×	×	√
Net weight (kg)	10	10	10
Gross weight (kg)	11	11	11.8
Instrument size (W*H*D)	323*180*250	323*180*250	323*180*250
Packing size (W*H*D)	406*295*305	406*295*305	406*295*305

AC Power Source

APS-50000 Series



Standard RS232 Synchronous signal output

- Input and output are completely isolated
- Output voltage: phase voltage 0V-150VAC/0V-300VAC or line voltage 0V-520V (voltage can be customized 600V, 1000V or more)
- Output frequency: 40Hz-250Hz continuously adjustable
- Output high and low gears: automatic switching of high and low gears, safe and convenient
- Voltage, frequency, current, power/power factor, four windows simultaneously display
- 5 groups of storage one-key calling function
- No radiation interference, low harmonic content, and special treatment, low interference
- Pure and stable sine wave output
- Strong overload capacity, instantaneous current can withstand 3 times the rated current
- With over current, over temperature, over voltage, short circuit, overload, current limit, instantaneous power failure protection and warning device
- Suitable for resistive, capacitive, inductive and other non-linear loads

Model	APS51005	APS51008	APS51010	APS51015	APS51020	APS51030	APS51050	APS51075	APS51100	
Capacity	5KVA	8KVA	10KVA	15KVA	20KVA	30KVA	50KVA	75KVA	100KVA	
The output voltage	0-150V/0-300V automatic switching between high and low gears									
Output current	L=120V	42A	67A	84A	126A	168A	252A	416A	626A	840A
	H=240V	21A	33.5A	42A	63A	84A	126A	208A	313A	420A
frequency	40-250Hz(0.01Step)									
Size (W*H*D)	430*425*550		680*450*650		800*450*650		1020*610*930		1620*750*1200	
Weight (kg)	50	70	90	110	140	210	290	410	540	

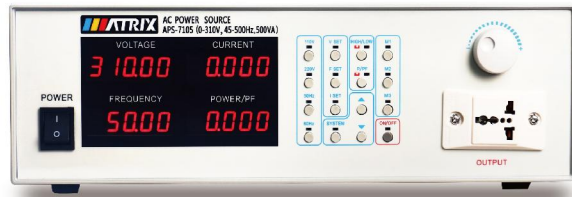
Specifications		
Working mode	SPWM (Sine Pulse Width Modulation)	
Input phase number	1Φ2W 220V±15% or 3Φ4W 380V±15%	
Output	Phase	1Φ2W
	Voltage	0-150V/0-300V automatic switching between high and low gears
	Current	42A-840A
	frequency	40-250Hz(0.01Step)
LED display	Voltage Vrms, current Arms, frequency Fre, power Wattage, power factor PF	
Voltage resolution	0.01V	
Current resolution	Output <10A, resolution 0.001A; output 10A-100A, resolution 0.01A; Output 100A-1000A, resolution 0.1A; output ≥1000A, resolution 1A;	
Frequency resolution	0.01Hz	
Power regulation rate	≤1%	
Load stability	≤1%	
Load regulation rate	≤1%	
Frequency stability	0.01%	
Waveform distortion	≤1%(Pure resistance load,other resistance 3%)	
Measurement Accuracy	Voltage	0.5%FS+5dgt
	Current	0.5%FS+5dgt
	frequency	0.01%FS+5dgt
	power	0.5%FS+5dgt
set up Accuracy	Voltage	0.2%FS
	Current	0.1%FS
Current limit setting	0-MAX Current	
storage	5 groups of storage: M1 (V/F/A), M2 (V/F/A), M3 (V/F/A), M4 (V/F/A), M5 (V/F/A)	
protect	Over Current, Over Temp, Over Load, Short Circuit	
cooling method	Forced cooling by fan	
Operating environment	0-40°C/10-90%RH	

Model	Capacity	The output voltage	Output current (L120V/H240V)	Frequency	Size (W*H*D)	Weight (kg)
APS53005	5KVA	0-150V/0-300V Automatic switching between high and low gears (Line voltage: 0-260V/0-520V)	14A/7A	40-250Hz (0.01Step)	800*450*650	110
APS53010	10KVA		28A/14A			130
APS53015	15KVA		42A/21A			160
APS53020	20KVA		58A/29A		1020*610*930	210
APS53030	30KVA		84A/42A			280
APS53050	50KVA		140A/70A			360
APS53075	75KVA		210A/105A		1140*730*930	510
APS53100	100KVA		280A/140A			660
APS53150	150KVA		420A/210A			710
APS53200	200KVA		588A/294A		1620*750*1200	910
APS53300	300KVA	840A/420A	1200			
APS53500	500KVA	1390A/695A	1800			

Specifications		
Working mode	SPWM (Sine Pulse Width Modulation)	
Input phase number	3Φ4W 380V±15% (5KVA、10KVA Optional 1Φ2W 220V±15%)	
Output	Phase	3Φ4W
	Voltage	0-150V/0-300V automatic switching between high and low gears (line voltage: 0-260V/0-520V)
	Current	14A-1390A
	Frequency	40-250Hz(0.01Step)
LED display	Each phase voltage Vrms, current Arms, frequency Fre, power Wattage, power factor PF	
Voltage resolution	0.01V	
Current resolution	Output <10A, resolution 0.001A; output 10A-100A, resolution 0.01A; Output 100A-1000A, resolution 0.1A; output ≥1000A, resolution 1A;	
Frequency resolution	0.01Hz	
Power regulation rate	≤1%	
Load stability	≤1%	
Load regulation rate	≤1%	
Frequency stability	0.01%	
Waveform distortion	≤1%(Pure resistance load,other resistance 3%)	
Measurement Accuracy	Voltage	0.5%FS+5dgt
	Current	0.5%FS+5dgt
	frequency	0.01%FS+5dgt
	power	0.5%FS+5dgt
set up Accuracy	Voltage	0.2%FS
	Current	0.1%FS
Current limit setting	0-MAX Current	
storage	5 groups of storage: M1 (V/F/A), M2 (V/F/A), M3 (V/F/A), M4 (V/F/A), M5 (V/F/A)	
protect	Over Current, Over Temp, Over Load, Short Circuit	
cooling method	Forced cooling by fan	
Operating environment	0-40°C/10-90%RH	

Programmable AC Power Source

APS-7000 Series



APS-7105/7100



APS-7200/7300

- The advanced direct digital frequency synthesizer (DDS) waveform is used to achieve high frequency stability, good continuity and accurate measurement
- Keyboard shortcuts: 110V, 220V, 50Hz, 60Hz shortcuts self-assembly
- Key lock function prevents inadvertent touch
- With key lock M1, M2 and M3 three sets of memory, can store the commonly used voltage V and frequency F, easy to recall them by one key
- Five display windows: voltage V, frequency F, current I, power P/power factor PF, display more accurately
- Overload capacity, 300% overload 2S
- Intelligent analysis function: automatically determine the cause of failure ,status and display the code when the alarm is reported
- With 100% loading and unloading, the stabilizing reaction time is within 20ms
- RS485, RS232, Ethernet communication interface or simulation control mode (optional)
- Adopt input and output isolation mode
- Has soft start function to avoid the damage to power supply caused by the instantaneous impulse current of the load (such as motor) when power on.

Standard RS232 Synchronous signal output Optional RS485

Model	APS-7105	APS-7100	APS-7200	APS-7300
Capacity	500VA	1KVA	2KVA	3KVA
Working mode	SPWM			
The input				
Number of phase	1Φ2W			
Voltage	220V±10%			
Frequency	47Hz-63Hz			
The output				
Number of phase	1Φ2W			
Voltage	0-150VAC/0-310VAC AUTO (0-600V Can be customized)			
Frequency	45-500Hz (0.1Step)			
Maximum current	L=120V H=240V	4.2A 2.1A	8.4A 4.2A	16.8A 8.4A
Load regulation	1%			
T.H.D	2% Low grade 120V, high grade 240V, with pure resistive load			
Frequency stability	0.01%			
Display	Vrms、Arms、Fre、Wattage、PF			
Voltage resolution	0.01V			
Frequency resolution	0.01Hz			
Current resolution	0.001A			
Storage	M1(V_F_A)、M2(V_F_A)、M3(V_F_A)			
Communication interface	RS-232 standard, RS485 optional			
Set the current limit	0-MaxCurrent(P/240 Maximum current is: maximum capacity /240V is P/240)			
The output protection	OverCurrent OverTemp OverLoad ShortCircuit			
Operation environment	0-40°C 20-80%RH			
Instrument size (W*H*D)	430*135*515	430*135*515	480*225*535	480*225*535
Packing size (W*H*D)	575*255*645	575*255*645	640*330*652	640*330*652
Net weight (kg)	20.6	20.6	30.5	33.3
Gross weight (kg)	23.1	23.1	33.5	36.3

Programmable DC Electronic Load

PEL-8000 Series



PEL series product is a new generation of DC electronic load, adopt new chip to achieve high speed and high precision design, provide 0.1 mV and 0.01 mA resolution (basic accuracy is 0.03%, the current rise of 2.5 A/us). It can be widely used in the production line (phone charger, cell phone batteries, electric vehicle batteries, switch power supply, linear power supply), scientific research institutions, automotive electronics, aerospace, marine, solar batteries, fuel cells and other industries.

Standard RS232 SENSE

- CC , CV , CR , CP , short circuit, dynamic and other working modes
- Over voltage, overcurrent, overpower, overheat, polarity reverse protection
- High brightness vacuum VFD screen and display V,A,P simultaneously
- Accuracy of 0.1%
- Support external trigger input, output
- Automatic test function setting, more convenient operation
- RS - 232 interface. Optional special communication line connecting computer

Model	PEL-8150	PEL-8300
Input Rating	Power Current Voltage	150W 0~30A 150V
CC mode	Range Resolution Accuracy	0-3A 0-30A 0-6A 0-60A 0.1mA 0.03%+0.05%
CV mode	Range Resolution Accuracy	0.1-19.999V 0.1-150V 1mV 10mV 1mV 10mV 0.03%+0.05%
CR mode	Range Resolution Accuracy	0.3Ω-10k 0.3Ω-5k 0.3Ω-10k 0.3Ω-5k 16 bits 0.2%+0.2% 0.1%+0.1%
CW mode	Range Resolution Accuracy	0-150W 0-150W 0-300W 0-300W 1mW 10mW 1mW 10mW 0.2%+0.2% 0.1%+0.1%
V Measurement	Voltage Resolution Accuracy	0-19.999V 0-150V 0-19.999V 0-150V 0.1mV 1mV 0.1mV 1mV 0.015%0.05%FS 0.015%0.05%FS 0.015%0.03%FS 0.015%0.02%FS
C Measurement	Current Resolution Accuracy	0-3A 0-30A 0-6A 0-60A 0.1mA 1mA 0.1mA 1mA 0.03%+0.05%FS 0.03%+0.08%FS 0.03%+0.05%FS 0.03%+0.08%FS
W Measurement	Watt Resolution Accuracy	100W 150W 100W 300W 1mW 10mW 1mW 10mW 0.2%+0.2% 0.1%+0.1%
Battery Measurement Battery Input : 0.5-150V Max.Measurement:capacity=999/H;Resolution=0.1mA;Time=Range=1S-16HS		
Dynamic Measurement TransitionList: 0-25Khz;2.5A/us ; T1&T2: 60Us-999S;Accuracy: ±15%offset+10%FS 1mS;2mS;5mS;10mS;20mS;50mS;100mS;200mS;Accuracy:±15%offset+10%FS		
Short circuit	Current(CC) Voltage(CV) Resistance(CR)	3A 30A 6A 60A 0V 55mΩ 25mΩ 300mΩ
Temperature	Operating Environment	0-40°C -10°C~70°C
	kg	4.1 4.9
	kg	5 5.8
	mm	215*100*355
	mm	310*200*480

Programmable DC Electronic Load

PEL-9000S Series



Features

- Voltage: 0-150V; Maximum current: 1500A-
- Power: 1.2KW-40KW
- Four static loading modes: constant voltage, constant current, constant resistance and constant power
- High-speed dynamic load, up to 20KHz
- Arbitrary load waveform simulation function
- Low-voltage and high-current operating characteristics.
- Battery discharge simulation and discharge time measurement function
- Fast OCP test function
- Programmable switching of multiple groups of loads
- High precision voltage, current and power measurement
- ARM control technology, fast communication speed
- Compatible with communication instructions of many similar products, and system integration is simpler
- With overvoltage, overcurrent, over-power, over-temperature and reverse protection functions
- RS-232C/GPIB communication interface (optional)

Standard RS-232C SYNC Output

Programmable DC Electronic Load

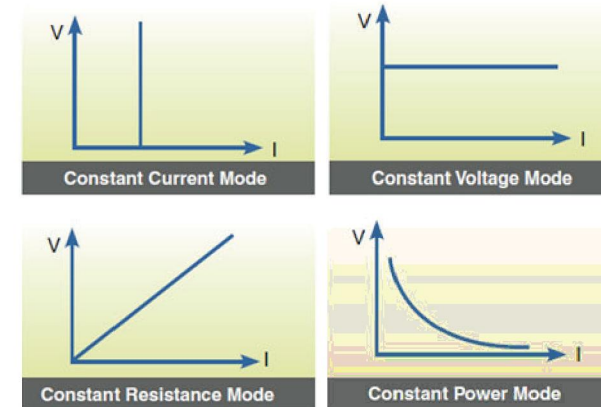
PEL-9000S Series

Details

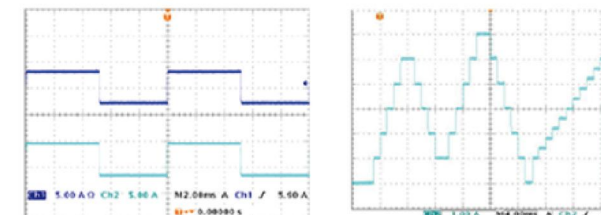
PEL-9150S series electronic load is a special precision instrument used to simulate the load change of low-voltage and high-power products. It can be applied to load simulation of high-power switching power supply, power supply equipment, power battery pack and electronic component test. The multiple functions of this series of products provide a complete solution for testing high-power power supply and electronic products.

PEL-9150S series electronic load has multiple models to facilitate engineers and technicians to select the most suitable load equipment. The load power is from 1.2KW to 40KW, the load current is up to 1500A, and the working voltage is 0-150V, which can be used for testing various low-voltage and high-power electronic products.

PEL-9150S series load provides four static loading modes: constant current mode (CC) and constant resistance mode (CR) are applicable to load simulation of traditional switching power supply, constant voltage mode (CV) is applicable to load simulation of battery charger and constant current output power supply, and constant power mode (CP) can be used as load simulation of power battery pack and energy storage device.

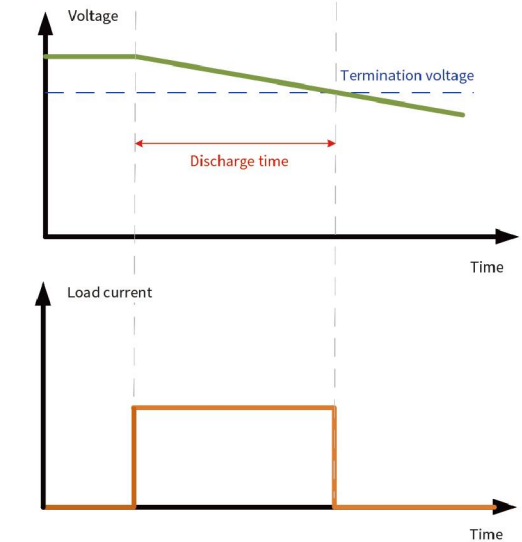


PEL-9150S series electronic load can not only simulate high-speed dynamic load changes with a frequency of up to 20KHz, but also simulate more stringent dynamic load changes, such as ladder load changes, pulse load changes, etc. It can also test the load characteristics of the tested products.



PEL-9150S series electronic load has 1000 sets of data storage capacity, and can be programmed to automatically run multiple sets of load switching. With 16-bit A/D conversion chip, it has high-precision voltage and current detection, and all data are displayed on the 5" TFT color screen. RS-232C interface is equipped as standard, and GPIB remote control interface is optional to facilitate system integration.

PEL-9150S series electronic load can also be used to simulate the discharge of power battery. Set the size of the battery discharge load and use the constant power (CP) load mode to simulate the battery discharge characteristics. The cut-off discharge voltage of the battery is measured through the accurate measurement circuit, and the time required for the battery to discharge to the cut-off voltage point is calculated.



PEL-9150S series electronic load provides software calibration function, making daily maintenance easier. It also has OP, OV, OC, OT and positive-negative reverse alarm functions to ensure more stable and safe operation of the product. It is a reliable product for engineering test and automatic test system integration.

Programmable DC Electronic Load

PEL-9000S Series

Model	PEL-9800S124.8		PEL-9800S187.2		PEL-9800S249.6	
Power	120W	1200W	180W	1800W	240W	2400W
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Current Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
CC Mode						
Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
CR Mode						
Range	0.4Ω~4KΩ	17.5Ω~8KΩ	0.26Ω~2.8KΩ	11Ω~8KΩ	0.2Ω~2KΩ	8.75Ω~8KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-120W	0-1200W	0-180W	0-1800W	0-240W	0-2400W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	0.8mA-160mA/uS	8mA-1.6A/uS	1.2mA-240mA/uS	12mA-2.4A/uS	1.6mA-320mA/uS	16mA-3.2A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-120W	0-1200W	0-180W	0-1800W	0-240W	0-2400W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	48A		72A		96A	
Size (W*H*D) mm	425 X 175 X 640		425 X 175 X 640		425 X 175 X 640	
Weight (Kg)	20		24		28	

Model	PEL-9800S3012		PEL-9800S6024		PEL-9800S9036	
Power	300W	3000W	600W	6000W	900W	9000W
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
CC Mode						
Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
CR Mode						
Range	0.16Ω~1.7KΩ	7Ω~8KΩ	0.08Ω~850Ω	3.5Ω~7KΩ	0.055Ω~500Ω	2.3Ω~4.5KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-300W	0-3000W	0-800W	0-8000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	2mA-0.4A/uS	20mA-4A/uS	4mA-0.8A/uS	40mA-8A/uS	6mA-1.2A/uS	60mA-12A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-300W	0-3000W	0-800W	0-8000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	120A		240A		360A	
Size (W*H*D) mm	425 X 175 X 640		425 X 350 X 640		550 X 635 X 720	
Weight (Kg)	32		64		116	

Programmable DC Electronic Load

PEL-9000S Series

Model	PEL-9800S12048		PEL-9800S15060		PEL-9800S18072	
Power	1200W	12000W	1500W	15000W	1800W	18000W
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Current Range	0-48A	0-480A	0-60A	0-600A	0-72A	0-720A
CC Mode						
Range	0-48A	0-480A	0-80A	0-800A	0-72A	0-720A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
CR Mode						
Range	0.04Ω~425Ω	1.75Ω~3.5KΩ	0.032Ω~340Ω	1.4Ω~2.8KΩ	0.026Ω~285Ω	1.16Ω~2.3KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	8mA-1.6A/uS	80mA-16A/uS	10mA-2A/uS	0.1A-20A/uS	12mA-2.4A/uS	0.12A-24A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-48A	0-480A	0-80A	0-800A	0-72A	0-720A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	480A		600A		720A	
Size (W*H*D) mm	550 X 810 X 720		550 X 990 X 720		550 X1165 X 720	
Weight (Kg)	153		202		242	

Model	PEL-9800S24096		PEL-9800S300120		PEL-9800S400120	
Power	2400W	24000W	3000W	30000W	4000W	40000W
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
CC Mode						
Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
CR Mode						
Range	0.02Ω~210Ω	0.875Ω~1.7KΩ	0.016Ω~170Ω	0.7Ω~1.4KΩ	0.016Ω~170Ω	0.7Ω~1.4KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	16mA-3.2A/uS	0.16A-32A/uS	20mA-4A/uS	0.2A-40A/uS	20mA-4A/uS	0.2A-40A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	960A		1200A		1200A	
Size (W*H*D) mm	550 X 1520 X 720		880 X1520 X 720		880X1680 X 720	
Weight (Kg)	316		400		496	

Programmable DC Electronic Load

PEL-9000S Series

Model	PEL-91200S3012		PEL-91200S6024		PEL-91200S9036	
Power	300W	3000W	600W	6000W	900W	9000W
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
CC Mode						
Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.32Ω~3.4KΩ	14Ω~8KΩ	0.16Ω~1.7KΩ	7Ω~8KΩ	0.11Ω~1KΩ	4.6Ω~8KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-300W	0-3000W	0-1200W	0-12000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	2mA-0.4A/uS	20mA-4A/uS	4mA-0.8A/uS	40mA-8A/uS	6mA-1.2A/uS	60mA-12A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-300W	0-3000W	0-1200W	0-12000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	120A		240A		360A	
Size (W*H*D) mm	425 X 175 X 640		425 X 350 X 640		550 X 635 X 720	
Weight (Kg)	32		64		116	

Model	PEL-91200S12048		PEL-91200S15060		PEL-91200S18072	
Power	1200W	12000W	1500W	15000W	1800W	18000W
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Current Range	0-48A	0-480A	0-60A	0-600A	0-72A	0-720A
CC Mode						
Range	0-48A	0-480A	0-120A	0-1200A	0-72A	0-720A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.08Ω~850Ω	3.5Ω~7KΩ	0.064Ω~680Ω	2.8Ω~5.6KΩ	0.052Ω~570Ω	2.32Ω~4.6KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	8mA-1.6A/uS	80mA-16A/uS	10mA-2A/uS	0.1A-20A/uS	12mA-2.4A/uS	0.12A-24A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-48A	0-480A	0-120A	0-1200A	0-72A	0-720A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	480A		600A		720A	
Size (W*H*D) mm	550 X 810 X 720		550 X 990 X 720		550 X 1165 X 720	
Weight (Kg)	153		202		242	

Programmable DC Electronic Load

PEL-9000S Series

Model	PEL-91200S24096		PEL-91200S300120		PEL-91200S400120	
Power	2400W	24000W	3000W	30000W	4000W	40000W
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
CC Mode						
Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.04Ω~420Ω	1.75Ω~3.4KΩ	0.032Ω~340Ω	1.4Ω~2.8KΩ	0.032Ω~340Ω	1.4Ω~2.8KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	16mA-3.2A/uS	0.16A-32A/uS	20mA-4A/uS	0.2A-40A/uS	20mA-4A/uS	0.2A-40A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	960A		1200A		1200A	
Size (W*H*D) mm	550 X 1520 X 720		880 X 1520 X 720		880 X 1680 X 720	
Weight (Kg)	316		400		496	

Model selection table of 150V series products

Model	Voltage	Current	Power
PEL-9150S1212	0-150V	120A	1200W
PEL-9150S1818	0-150V	180A	1800W
PEL-9150S2424	0-150V	240A	2400W
PEL-9150S3030	0-150V	300A	3000W
PEL-9150S6060	0-150V	600A	6000W
PEL-9150S9090	0-150V	900A	9000W
PEL-9150S120120	0-150V	1200A	12KW
PEL-9150S150150	0-150V	1500A	15KW
PEL-9150S180120	0-150V	1200A	18KW
PEL-9150S240120	0-150V	1200A	24KW
PEL-9150S300120	0-150V	1200A	30KW
PEL-9150S400120	0-150V	1200A	40KW

Model selection table of 800V series products

Model	Voltage	Current	Power
PEL-9800S124.8	0-800V	48A	1200W
PEL-9800S187.2	0-800V	72A	1800W
PEL-9800S249.6	0-800V	96A	2400W
PEL-9800S3012	0-800V	120A	3000W
PEL-9800S6024	0-800V	240A	6000W
PEL-9800S9036	0-800V	360A	9000W
PEL-9800S12048	0-800V	480A	12KW
PEL-9800S15060	0-800V	600A	15KW
PEL-9800S18072	0-800V	720A	18KW
PEL-9800S24096	0-800V	960A	24KW
PEL-9800S300120	0-800V	1200A	30KW
PEL-9800S400120	0-800V	1200A	40KW

Model selection table of 600V series products

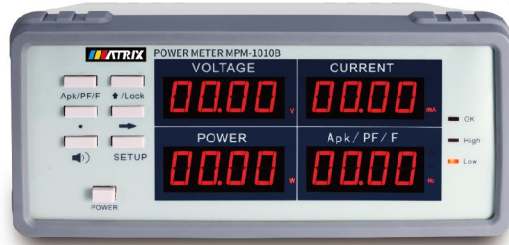
Model	Voltage	Current	Power
PEL-9600S124.8	0-600V	48A	1200W
PEL-9600S187.2	0-600V	72A	1800W
PEL-9600S249.6	0-600V	96A	2400W
PEL-9600S3012	0-600V	120A	3000W
PEL-9600S6024	0-600V	240A	6000W
PEL-9600S9036	0-600V	360A	9000W
PEL-9600S12048	0-600V	480A	12KW
PEL-9600S15060	0-600V	600A	15KW
PEL-9600S18072	0-600V	720A	18KW
PEL-9600S24096	0-600V	960A	24KW
PEL-9600S300120	0-600V	1200A	30KW
PEL-9600S400120	0-600V	1200A	40KW

Model selection table of 1200V series products

Model	Voltage	Current	Power
PEL-91200S3012	0-1200V	120A	3000W
PEL-91200S6024	0-1200V	240A	6000W
PEL-91200S9036	0-1200V	360A	9000W
PEL-91200S12048	0-1200V	480A	12KW
PEL-91200S15060	0-1200V	600A	15KW
PEL-91200S18072	0-1200V	720A	18KW
PEL-91200S24096	0-1200V	960A	24KW
PEL-91200S300120	0-1200V	1200A	30KW
PEL-91200S400120	0-1200V	1200A	40KW

High precision Power Meter

MPM-1010/1010B



- The six test parameters V, A, P, PF/F/Apk
- The upper and lower limit of power factor, current and power, and there is a sound light alarm, suitable for production line batch test
- The wider frequency response is 15hz-650hz, exceeding all products at the same level
- Direct way saves the wiring trouble, enhance the security and convenience
- Precision resistance sampling technology, suitable for a wider range of products

MPM-1010 high-precision power meter applies direct plug mode instead of traditional terminal posts according to customers suggestion, to improve safety and convenience. The voltage and current sampling section uses precision resistance direct sampling instead of traditional transformer sampling, which ensures the original data is undistorted and improves the accuracy of the instrument. And this machine is especially adapted to some half wave and other various waveform measurement of DC component, testing full wave resistance, the distorted wave, half wave, symmetrical and unsymmetrical square wave, triangle wave, sawtooth wave and other special waveform under AC mode. It is a high cost-effective product with novel appearance and scientific design. It is widely used in mobile phone charger, adapter, switch power, household appliance, transformer and other industries.

Model	MPM-1010	MPM-1010B
4 window display	V, A P, Apk/PF/F	V, A P, Apk/PF/F
The input voltage	1V~300V	1V~300V
Input current	2mA-10A	2mA-10A
Power range	0.3W-3000W	0.01W-3000W
Precision	0.4%RD+0.1%FS+1d	0.4%RD+0.1%FS+1d
Switch range	automatic	automatic
Power factor	-1.000/+1.000	-1.000/+1.000
Frequency response	AC:15Hz~650Hz	AC:15Hz~650Hz
Hi - Low setting	V, A, P, PF	V, A, P, PF
Sound and light alarm	√	√
The key lock	√	√
The machine electricity	110V/220V Switchable	110V/220V Switchable
Communication methods	RS-232(Optional)	RS-232
Net weight (kg)	2.5	2.5
Gross weight (kg)	3.6	3.6
Instrument size (W*H*D)	225*100*305	220*105*360
Packing size (W*H*D)	300*210*420	300*210*480

Digital LCR Meter

MCR-5000 Series



- With new 32-bit core processor, the data is as good as the one of foreign first-class equipment
- 4.3 inch true color TFT display
- 30Ω , 100Ω two types of different signal source output resistance
- Built - in comparator, 5 grade flexible qualified and defective alarming mode shutdown automatically save test conditions, humanized operation

MCR5000 series is a multifunctional LCR precision meter used for testing various electronic components. Adopt 4.3-inch TFT LCD display, simple display, elegant layout. It is a high speed, wide band, 5 bit test resolution impedance measuring instrument with 40hz-200khz multiple frequency points and 0.1% accuracy, which can meet the requirements of component parameter detection in various occasions. Is a high - quality cost-effective tester

Standard USB Host RS232 Handler(MCR5100/5200)

Optional USB Device GPIB Earphone Jack Foot Pedal

- Internal more than 100 sets of settings files, U disk extension to save multiple groups of test or recall simplified Chinese, English is optional
- U disk copy screen function, test data saving function, support FAT16 format, FAT32 file system, standard with RS232, USB HOST
- USB DEVICE, headphone interface, foot pedal interface and GPIB are optional

Model	MCR-5010	MCR-5030	MCR-5100	MCR-5200
Test parameter	L, C, R, Z , D, Q, X, ESR, θ(Deg), θ(Rad)			
Test frequency	100Hz, 120Hz, 1kHz, 10kHz	100Hz, 120Hz, 1kHz, 10kHz, 20kHz, 30kHz	40Hz, 50Hz, 60Hz, 75Hz, 100Hz, 120Hz, 150Hz, 200Hz, 250Hz, 300Hz, 400Hz, 500Hz, 600Hz, 750Hz, 800Hz, 1kHz, 1.5kHz, 2kHz, 2.5kHz, 3kHz, 4kHz, 5kHz, 6kHz, 7.5kHz, 10kHz, 12kHz, 15kHz, 15.7kHz, 16.2kHz, 20kHz, 25kHz, 30kHz, 40kHz, 50kHz, 60kHz, 66.6kHz, 75kHz, 100kHz, 120kHz, 150kHz, 200kHz in total 38 frequency points	40Hz, 50Hz, 60Hz, 75Hz, 100Hz, 120Hz, 150Hz, 200Hz, 250Hz, 300Hz, 400Hz, 500Hz, 1.5kHz, 2kHz, 2.5kHz, 3kHz, 4kHz, 5kHz, 6kHz, 7.5kHz, 10kHz, 12kHz, 15kHz, 15.7kHz, 16.2kHz, 20kHz, 25kHz, 30kHz, 40kHz, 50kHz, 60kHz, 66.6kHz, 75kHz, 100kHz, 120kHz, 150kHz, 200kHz in total 41 frequency points
Basic measurement accuracy	0.15%			
Test signal level	0.05V, 0.1V, 0.2V, 0.25V, 0.3V, 0.3V, 0.4V, 0.5V, 1V			
Equivalent circuit	In series, in parallel			
Mathematical functions	Percentage deviation			
Range way	Automatic, hold, manual selection			
Trigger mode	Internal, manual, external, bus			
Measure speed (≥1kHz)	High speed: The fastest is 30 times/second, middle speed: 10times/second, low speed: 3times/second			
Average time	1—255			
Delay time	0—6s, step is 1ms			
Calibration function	Open circuit/ short circuit / quick reset			
Display mode	Direct reading, Δ%, V/I (Measured voltage/current monitoring)			
Display	5 digit display of main and minor parameters, 4.3 inch true color LCD display			
Output impedance	30Ω, 100Ω optional			
Display range				
Z , R, X, ESR	0.1mΩ — 99.999MΩ			
C	0.01 pF — 9.9999F			
L	0.01 μH — 99999 H			
D	0.0001 — 9.9999			
Q	0.0001 — 9999.9			
θ (Deg)	-179.99° — 179.99°			
θ (Rad)	-3.1416 — 3.1416			
Δ%	-999.99% — 999.99%			
Others				
Comparator function	5 grades of sorting function((Except MCR5010))			
Storage	More than 100 sets of internal instrument settings for storage/call, U disk extension of more than 500 sets			
Port	RS232, HANDLER(Except MCR5010/5030), USB HOST are standard			
Net weight (kg)	3.5			
Gross weight (kg)	4.5			
Instrument size (W*H*D)	240*100*330			
Packing size (W*H*D)	330*210*425			

High Precision LCR Meter

MCR-6000A Series



- With new 32-bit core, as good as first class equipments
- 4.3inch true color TFT display
- 12Hz-600kHz testing frequency, frequency point continuously adjustable
- 0.05% basis testing accuracy, high speed in testing
- 0V,1.5V, 2V, Internal DC bias. Accuracy: 1%
- Automatic level control function
- 30Ω, 50Ω, 100Ω, 10/CC four different signal output impedance

LCR 6000A series high-precision digital bridge is a multi-function component parameter tester for detecting various electronic components. Tell, stable, 12Hz-600kHz continuous frequency point and 0.05% accuracy, can meet the requirements of production line quality control, purchase inspection and laboratory measurement, etc.

Standard USB Host USB Device RS232C Handler

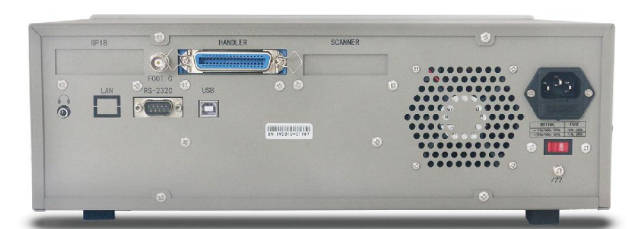
Optional GPIB Headphone Jack Foot Pedal

- Built-in comparator, 11 files sorting and file counting function
- 10-point list scan function
- The software upgrade and update of the machine can be realized through the U disk
- U disk copy screen function can save data, support FAT32 data system
- Standard with RS232C, USB HOST, USB DEVICE HANDLER
- Matching GPIB, headphone jack.

Model	MCR-6100A	MCR-6200A	MCR-6600A
Test parameter	Z , Y , C, L, X, B, R, G, D, Q, θ, DCR		
Test frequency	12Hz-100kHz	12Hz-200kHz	12Hz-600kHz
Basic testing accuracy	0.05%		
Equivalent circuit	In series, in parallel		
Mathematical functions	Percentage deviation		
Range way	Automatic, hold, manual selection		
Trigger mode	Internal, manual, external, bus		
Measure speed (≥1kHz)	High speed: The fastest is 75 times/second (customizable), middle: 12times/second, low: 3times/second		
Average time	1-255		
Delay time	0-6s, step is 1ms		
Calibration function	Open circuit/ short circuit / quick reset		
Display mode	Direct reading, Δ, Δ%, V/I (Measured voltage/current monitoring)		
Display	5 digit display of main and minor parameters, 4.3 inch true color LCD displayer		
Testing signal			
Output impedance	30Ω, 100Ω, 10/100, 10/CC optional		
Test signal level	Normal: 5mV~2V Accuracy: 10%, 1mV step Constant level: 10mV~1V Accuracy: 5%, 1mV step See product manual for details		
DC bias source	Internal	0V, 1.5V, 2V, Accuracy 1%	
	Matching	IV1A:0~1A DC bias source option	
Display range			
Z , R, X	0.01mΩ — 99.9999 MΩ		
DCR	0.001 mΩ — 99.9999 MΩ		
Y , G, B	0.00001μS — 99.9999S		
C	0.00001pF — 9.9999F		
L	0.00001μH — 99.9999kH		
D	0.00001 — 9.9999		
Q	0.00001 — 9999.9		
θ (DEG)	-179.999° — 179.999°		
θ (RAD)	-3.14159 — 3.14159		
Comparator function	10 grade: (9 grades qualified, 1 grades not qualified), otherwise with AUX grade		
Multiparameter	Four parameters can be selected for simultaneous measurement and display		
Curve scan function	Under various test conditions, perform graphic scanning analysis on the test piece		
Storage	More than 100 sets of internal instrument settings for storage /call, U disk extension of more than 500 sets		
Interface	Standard with RS232C, HANDLER, USB HOST, USB DEVICE, Headphone jack, Foot pedal interface; Matching with GPIB, LAN		
Instrument size (W*H*D)	265*100*340		
Packing size (W*H*D)	335*210*420		
Net weight (kg)	4.5		
Gross weight (kg)	5.8		

High Precision LCR Meter

MCR-8000H Series



- With new 32-bit core, as good as first class equipments
- 7 inch true color TFT display
- 20Hz-5MHz testing frequency, frequency point continuously adjustable
- 0.05% basis testing accuracy, high speed in testing.
- -5V~+5V(-100mA~+100mA)Internal DC bias
- Automatic level control function
- Graphic scan analysis function, support frequency / level/offset scanning, display the characteristics

- 30Ω, 50Ω, 100Ω, 10/CC four different signal output impedance
- Built-in comparator, 10 files sorting and file counting function
- 10-point list scan function
- The software upgrade and update of the machine can be realized through the U disk
- U disk copy screen function can save data, support FAT32 data system
- Standard with RS232C, USB HOST, USB DEVICE HANDLER, headphone jack, foot pedal interface
- Matching GPIB

Standard USB Host USB Device RS232C Handler Headphone Jack Foot Pedal

Optional GPIB

Model	MCR-8100H	MCR-8200H	MCR-8500H
Test parameter	Z , Y , C, L, X, B, R, G, D, Q, θ, DCR		
Test frequency	20Hz-1MHz, 0.01Hz resolution	20Hz-2MHz, 0.01Hz resolution	20Hz - 5 MHz, 0.01Hz resolution
Basic testing accuracy	0.05%		
Equivalent Circuit	In series, in parallel		
Mathematical functions	Absolute deviation, percentage deviation		
Range way	Automatic, hold, manual selection		
Trigger mode	Internal, manual, external, bus		
Measure speed (≥1kHz)	High speed: The fastest is 200 times/second (customizable), middle: 12times/second, low: 3times/second		
Average time	1-255		
Delay time	0-6s, step is 1ms		
Calibration function	Open circuit/ short circuit / load		
Display mode	Direct reading, Δ%, V/I (Measured voltage/current monitoring)		
Display	800*480 RGB 7 inch 16:9 TFT LCD display		
Testing signal			
Output impedance	30Ω, 100Ω, 10/100, 10/CC optional		
Test signal level	Normal: 5mV~5V Accuracy: 10%, 1mV step Constant level: 10mV~1V Accuracy: 5%, 1mV step		
DC bias source	Internal	-5V~+5V(-100mA~+100mA)Built-in bias current source, 5%, 1mV step	
	Matching	IV100mA:±10V(±100mA)DC bias source option IV1A:0~1 DC bias source option	
Display range			
Z , R, X	0.01mΩ — 99.9999 MΩ		
DCR	0.01 mΩ — 99.9999 MΩ		
Y , G, B	0.00001μS — 99.9999S		
C	0.00001pF — 9.9999F		
L	0.00001μH — 99.9999kH		
D	0.00001 — 9.9999		
Q	0.00001 — 9999.9		
θ (DEG)	-179.999° — 179.999°		
θ (RAD)	-3.14159 — 3.14159		
Comparator function	10 grade: (9 grades qualified, 1 grades not qualified), otherwise with AUX grade		
Storage	More than 100 sets of internal instrument settings for storage/call, U disk extension of more than 500 sets		
Interface	Standard with RS232C, HANDLER, USB HOST; Matching with USB DEVICE, Headphone jack, Foot pedal interface, GPIB		
Instrument size (W*H*D)	370*125*340		
Packing size (W*H*D)	445*260*495		
Net weight (kg)	7.4		
Gross weight (kg)	9.7		

Precision Impedance Analyzer

MCR-9000 Series



Standard USB Host USB Device RS232 Handler Headphone Jack Foot Pedal Optional GPIB

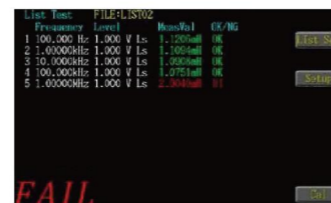
- Signal source frequency range: DC, 10Hz~5/10/20/30MHz
- Source position: variable voltage 10mV~2V/Variable current 200μA~20mA
- Basic impedance measuring accuracy: ±0.05%
- Automatic level control(ALC)function
- Output impedance 25Ω/100Ω switchable
- High cost efficient. Have basic measuring, drawing analysis function, also have support dielectric and permeability measurement

- High measuring speed < 3mS (fastest)
- Open circuit/ short circuit/ load correction function
- Up to four component parameters can be selected in the meter mode, and the inductance value and DCR value can be measured and displayed simultaneously
- Automatic component classification: Comparator and Bin classification function of HANDLER interface
- Built-in DC bias voltage -12V ~ +12V (6632)
- USB/GPIB/RS232/LAN Interface, Optional PC connection data analysis software can be purchased for fast automation and data access
- Ultra low power consumption < 30W, fanless design, zero noise

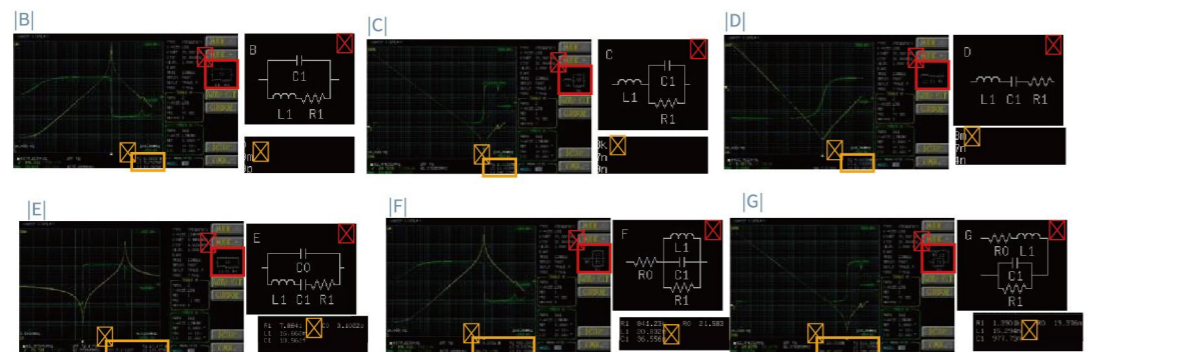
Select the scan function to display the curve chart
The graph displays the measurement information on the screen as a graph. Through the graph scanning function, the electrical characteristics of the component can be analyzed quickly



The multi-step list tests the automatic programming capabilities
The customer can perform a series of measurements on the component according to a self-defined sequence of steps. When all the test steps are completed, the screen will display the test results of the parameters selected for each step (PASS/HI/LO) or upload the data to the computer



Seven types, equivalent line analysis (optional)
Modeling and curve simulation of various equivalent circuit models. Seven different models, combined with different types of parameters (resistance, inductance, capacitance), can see three or four component values, as well as the self-resonance frequency (SRF)

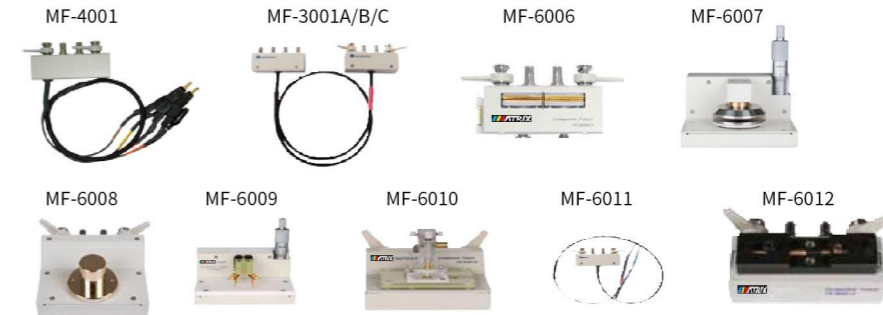


Standard accessories

High frequency DIP fixture (MF-619)

Optional accessories

- Kelvin testing lead (MF-4001)
- BNC test extension cord (MF-3001A/B/C)
- High frequency DIP component test fixture (MF-6006)
- Dielectric constant fixture (MF-6007)
- Permeability coefficient fixture (MF-6008)
- Material test fixture (MF-6009)
- High frequency precision down-pressure SMD test fixture (MF-6010)
- High frequency precision tweezers type test wire clamp (MF-6011)
- High frequency precision SMD test fixture (MF-6012)
- (Liquid Dielectric Material Test Fixture) (MF-6020)



Model	MCR-9005	MCR-9010	MCR-9020	MCR-9030
Test parameter	Z , Y , C, L, X, B, R, G, D, Q, θ, DCR, Vdc-I dc, ESR, μr, εr			
Test frequency	10Hz-5mHz	10Hz-10mHz	10Hz-20mHz	10Hz-30mHz
Minimum resolution	100mHz, 6-digit frequency input			
Accuracy	7ppm±100mHz			
Basic measurement accuracy	0.08%			
AC measuring				
Test signal voltage range	10mV~2Vrms			
Minimum voltage resolution	1mV			
Accuracy	ALC OFF:10%* Set voltage ±2mV		ALC ON:6%* Set voltage±2mV	
Test signal current range	200μA~200mArms			
Minimum resolution current	10μA			
Accuracy	ALC OFF:10%* Set current ±20μA		ALC ON:6%* Set current ±20μA	
Measuring speed (fastest)	< 3ms			
Output impedance	Switchable 25Ω, 100Ω			
Measurement mode	Meter mode, Multi-step list, Graphics scan			
Calibration function	Open circuit / short circuit / load			
Equivalent Circuit	Series, Parallel			
Equivalent model analysis (optional)	Three components (4 models), four components (3 models)			
Multi-step list test	15 test steps			
Built-in DC bias voltage	-12V~+12V, 100Hz~30MHz			
PC LINK / CPK report environment	Optional			
Internal storage memory	100 groups of LCR meter setting files, 50 groups of multi-step test setup (each group has 15 test steps)			
External USB memory	lcr meter setting files, BPM image, multi-step test configuration file, scan image and data			
Parameter measuring range	Z	0.000mΩ~9999.99MΩ	Cs, Cp	0.00000pF~9999.99F
	R, X	±0.000mΩ~9999.99MΩ	Ls, Lp	±0.000nH~9999.99kH
	Y	0.00000μS~999.999kS	D	0.00000~9999.99
	G, B	±0.00000μS~999.999kS	Q	±0.00~9999.99
	θRAD	±0.00000~3.14159	Δ	±0.00%~9999.99%
	θDEG	±0.000°~180.000°	Rdc	0.00mΩ~99.999MΩ
	εr' εr''	0~100000	μr' μr''	0~100000
interface	I/O interface		HANDLER	
	Serial communication interface		USB, RS232, LAN	
	Parallel communication interface		GPIB	
Display	7.0" TFT, 800*480 color display			
Operating environment	Temperature: 10°C~40°C, Humidity ≤ 80%RH			
Input power supply	Voltage	90~264Vac	Frequency	47~63Hz
Instrument size (W*H*D)	359*147*343			
Packing size (W*H*D)	495*280*480			
Net weight (kg)	3.95			
Gross weight (kg)	6.3			

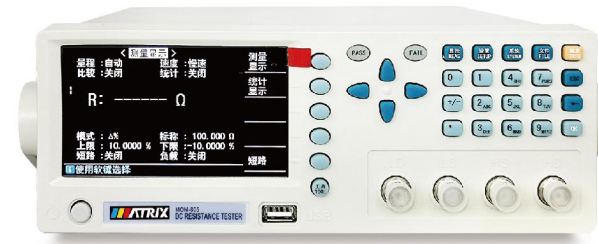
Component testing instrument

MOM-804/805



Features

- The new 32-bit core processor, the data is completely compared with foreign first-class equipment
- 4.3inch true color TFT display
- U disk saves the test result directly, which is more convenient to save
- Maximum basic measurement accuracy of 0.05%
- Temperature compensation function, temperature conversion function
- Basic accuracy of temperature 0.1°C
- Statistical function, providing CpK, Cp and other statistics
- Built-in comparator, dorting HI,LO,IN
- Internal more than 100 groups of setting files, U disk can expand more than 500 groups of test files to save or recall
- The software version of the instrument can be upgraded and updated through USB HOST
- The USB flash drive supports FAT16 and FAT32 file systems



Standard: RS-232C / USB HOST / USB DEVICE

Standard: temperature port / HANDLER

Optional: GPIB

Standard USB Host USB Device RS232C

Optional GPIB

Model	MOM-804	MOM-805
Precision and function		
R basic accuracy	0.08%+2digit	0.05%+2digit
Testing speed	Power at 50Hz, high speed: 22ms, intermediate speed: 42 ms, low speed: 102 ms, high speed2: 7ms; when power at 60Hz, high speed: 18.5ms, middle speed: 35 ms, low speed: 102 ms, high speed2: 7ms; Above is the speed when the display is closed. When the display is on, an additional display time of 10ms is added.	
Statistics	Statistics of CpK, Cp, etc	
Measure way	Auto, Hold, manual selection	
Trigger	Internal, external	
Average time	1—255	
Delay time	0—9999ms, 1ms Step	
Calibration function	Short circuit clearing, return to zero, load correction	
Test Side Configuration	Four terminal	
Display way	Direct read, Δ%	
Range and test current	1μΩ ~ 20kΩ	10μΩ ~ 200kΩ
	20mΩ (1A) : 1μΩ ~ 20mΩ	200 mΩ (100mA) : 10μΩ ~ 200 mΩ
	200 mΩ (100mA) : 20mΩ ~ 200 mΩ	2Ω (100mA) : 200mΩ ~ 2Ω
	2Ω (100mA) : 200mΩ ~ 2Ω	20Ω (10mA) : 2Ω ~ 20Ω
	20Ω (10mA) : 2Ω ~ 20Ω	200Ω (1mA) : 20Ω ~ 200Ω
	200Ω (1mA) : 20Ω ~ 200Ω	2kΩ (100μA) : 200Ω ~ 2kΩ
	2kΩ (100μA) : 200Ω ~ 2kΩ	20kΩ (100μA) : 2kΩ ~ 20kΩ
	20kΩ (100μA) : 2kΩ ~ 20kΩ	200kΩ (10μA) : 20kΩ ~ 200kΩ
comparator	HI, LO, IN	
Sorting	HI, LO, IN	
Temperature measurement(MOM-805)		
Basic accuracy	0. 1°C	
Measure time	100±10ms	
Temperature sensor	Pt, measure range -10.0°C ~ 99.9°C	
Temperature compensation function	Analog input: 0 ~ 2V, range: -99.9°C ~ 999.9°C	
Temperature conversion function	Convert to the resistance value at set temperature	
Others	A change in resistance value is converted to a change in temperature	
Display	24-bit true color TFT LCD with 480×272 resolution	
Storage	More than 100 groups of internal storage, U disk more than 500 groups	
Interface	Standard HANDLER, USB HOST, USB DEVICE, temperature interface (only IOM2518B), RS232C, GPIB is optional	
Machine size (W*H*D) mm	240*100*330	
Packing size (W*H*D) mm	335*210*425	
Net weight (kg)	3.6	
Gross weight(kg)	4.9	

Programmable Electrical Safety Tester

MST-8101/8103

Standard RS232C



- 4.3-inch TFT color screen display, clear at a glance
- 105 test files can be compiled, and 25 test steps can be set for each file
- Current resolution up to 0.1μA, accurate

- Automatic discharge function after the test is over
- Up to 10GΩ insulation resistance test range
- 100VA capacity

Model	MST-8101	MST-8103		
Function Description	AC	AC/DC/IR		
Withstand voltage test				
lose Out Electricity Pressure	AC	voltage range	0.050kV—5.000kV	0.050kV—5.000kV
		Voltage waveform	Sine wave	Sine wave
		Distortion	< 3%	< 3%
		working frequency	50, 60Hz optional	50, 60Hz optional
		Frequency accuracy	±1%	±1%
	DC	Output Power	100VA (20mA)	100VA (20mA)
		Voltage regulation rate	± (1.0% +50V) (rated power)	± (1.0% +50V) (rated power)
		voltage range	-	0.050 kV—6.00kV
		Signal source frequency	-	600Hz
		Output Power	-	50VA (10mA)
Electricity flow Measurement test Fan Surround	DC	Voltage regulation rate	-	± (1.0% +100V) (rated power)
		Voltage resolution	1V	1V
		Voltage test accuracy	±2%	±2%
		Voltage generation method	DDS signal source plus class AB power amplifier	DDS signal source plus class AB power amplifier
		Discharge function	-	Automatic discharge after the test (DCW)
Electricity flow Measurement test Fan Surround	AC	Current range	0.001mA – 20.00 mA	0.001mA – 20.00 mA
		Short circuit current (momentary)	>40 mA	>40 mA
		Current resolution	0.001 mA	0.001 mA
		Current accuracy	± (2% of reading + 2 words)	± (2% of reading + 2 words)
		Actual current	OFF-0.001 mA-20 mA	OFF-0.001 mA-20 mA
Surround	DC	Current range	-	0.1uA – 10.00mA
		Current accuracy	-	± (2% reading + 2 digits)
Insulation resistance test (MST-8103 only)				
The output voltage	0.050V – 1.000kV			
Voltage resolution	1V			
Voltage test accuracy	±2%			
Maximum output current	10mA			
Maximum output power	10VA (1000V/10mA)			
Output instantaneous short-circuit current	>20mA			
Load Regulation	≤ 1 % (rated power)			
Ripple (1kV)	≤ 3% (1kV , no load)			
Discharge function	Automatic discharge after the test			
Resistance measurement range	0.1MΩ– 10GΩ			
Resistance measurement accuracy	Voltage < 500V: 0.2MΩ ~ 1GΩ accuracy: [± 10% reading + 5 words] 1GΩ ~ 10GΩ accuracy: [± 20% reading + 5 words] Voltage > 500V: 0.2MΩ ~ 1GΩ accuracy: [± 3% reading + 5 words] 1GΩ ~ 10GΩ accuracy: [± 7% reading + 5 words]			
Arc detection	MST-8101			
Measuring range	AC, DC	MST-8103		
Comparators	AC: 1mA – 20mA (9 gears, fine-tuning) AC, DC: 1mA – 20mA (9 gears, fine-tuning)			
Discrimination method	Window comparator mode I at the ON : When I at < Ix < I on, the PASS; when Ix is ≤ I or under Ix is ≥ I on, FAIL (article items I at < I on) I down OFF : when Ix < I up, PASS; when Ix ≥ I up, FAIL, the insulation resistance judgment method is the same as above			
Capping current I on	AC, DC	AC: 0.001mA – 20mA AC: 0.001mA – 20mA DC: 0.1uA – 10mA		
Current upper limit setting I under	AC, DC	AC: 0.001mA – 20mA AC: 0.001mA – 20mA DC: 0.1uA – 10mA		
Resistance upper limit setting	OFF - 0.2MΩ - 10GΩ			
Resistance lower limit setting	0.2MΩ- 10GΩ			
Parameter setting				
Voltage rise time	0.1s – 999.9s			
Voltage drop time	0 s – 999.9s , (only after the withstand voltage PASS)			
Voltage waiting time	0.3s - 999.9s (only DC withstand voltage, and meet the rise time + test time > waiting time)			
Test time setting	0.3s - 999.9s (when TIMER ON)			
Time accuracy	± (0.2% setting value ± 0.1s)			
Protocol	SCPI , Modbus			
storage interface	105 test files can be programmed , and 25 test steps can be set for each file HANDLER , SINGAL , RS232C , RS485 (optional)			
Size (W*H*D)	mm	215*143*405 (without terminal)		
weight	kg	12		

MOM-804/805

Component testing instrument

MST-8101/8103

Programmable Electrical Safety Tester

Dual Channel Analog Oscilloscope

MOS-620



- Dual channel 20MHz
- Scan extension X10 function
- TV synchronization, X-Y mode
- High luminance, internal calibrated CRT
- Japanese electronic code switch, light and reliable
- Sealed attenuation switch is durable
- ALT trigger function, can measure two irrelevant signals

Model	MOS-620
Vertical system	Trigger
Sweep time: 0.2μSec~0.5Sec/DIV, 20 steps in 1-2-5 sequence	Trigger source: CH1, CH2, LINE,EXT
Accuracy: ±3%	Trigger Coupling: AC: 20Hz to full bandwidth
Fine: 1/2/5 panel indication scale	Trigger slope: +/-
Sweeping magnification: 10 times	Sensitivity: 20Hz~2MHz: 1DIV TRIG-ALT: 2DIV EXT:200mV
X10MAG sweep time accuracy: ±5% (20nSec~50nSec not calibrated)	2MHz~20MHz: 1.5DIV TRIG-ALT: 3DIV EXT:800mV
Linear: ±5%X10MAG: ±10% (0.2s~1μs)	TV: Sync pulse > 1DIV(EXT:1V)
Displacement caused by X10MAG: < 2DIV at the center of CRT	Trigger mode: AUTD: AUTO NORM: NORM
X-Y mode	TV field: when you want to observe a TV signal;
Sensitivity: same as vertical axis	TV line: (only when the sync signal is negative pulse, the TV field and TV line can be synchronized)
Frequency range: DC~500kHz	External trigger mode model
X-Y phase error: ±3° (DC~50kHz)	Input impedance: Approx. 1MΩ/25pF
Horizontal system	Max. Input voltage: 300V(DC+AC peak) AC frequency: 1kHz or lower
Sensitivity: 5mV~5V/DIV, 10 steps in 1-2-5 sequence	Calibration signal
Sensitivity and accuracy: ±3%; 1/2.5 or smaller than the panel indicating scale	Waveform: Square wave
Frequency range: DC~20MHz	Freq.: Approx.1kHz
AC coupling: < 10Hz (100kHz 8DIV frequency response:-3dB)	Duty cycle: < 48: 52
Rise time: Approx. 17.5nS	Output voltage: 2Vp-p±2%
Input resistance: Approx. 1M/25pF	Output impedance: Approx.1kΩ
DC balance movement: 5mV~5VDIV: ±0.5DIV	CRT oscilloscope tube
Linear: When the waveform moves vertically in the center of the grid (2DIV)	Model: 6 inch rectangular internal graticule
Amplitude change < ±0.1DIV	Phosphor powder specifications: P31
Vertical mode: CH1: CH2: DUAL: CH1 and CH2 display simultaneously Speed can be selected alternately or intermittently	Acceleration voltage: Approx. 2kV (20MHz)
ADD: CH1 and CH2 do algebraic addition	Valid display: 8X10DIV [1DIV=10mm(0.39in)]
Intermittent repetition frequency: Approx. 250kHz	Graticule: internal
Input coupling: AC GND DC	Trace rotation: adjustable at front panel
Maximum input voltage: 300V peak (AC: Freq.≤1kHz)	Technical characteristic
Common mode rejection ratio: >50:1 at 50kHz sine wave (Set the sensitivity of CH1 and CH2 the same)	Power source: AC 220C±10% (standard) , AC 110V/220V
Insulation between 2 channels (in the range of 5mV/DIV): > 1000:1 50kHz; > 30:1 15MHz / > 30:1 35MHz; > 30:1 45MHz	±10% (optional) 50Hz/60Hz, 35VA Maximum
CH2 INV BAL: Balance point change rate ≤ 1DIV (corresponding to the scale center)	Dimension: 455 (W) *150(H)*310(D)mm
	Weight: Approx. 8kg

Super- Economical Digital Storage Oscilloscope

MDS-2000 Series



- Bandwidth : 150MHz/250MHz
- 2-Channel + Sample rate : 1GS/s
- Ultra-thin body + 7 inch high resolution LCD
- SCPI, and LabVIEW supported

Model	MDS-2152	MDS-2252
Bandwidth	Up to 150MHz	Up to 250MHz
Sample Rate	1GS/s	
Horizontal Scale (s/div)	2ns/div - 1000s/div, step by 1 - 2 - 5	
Rise Time (at input, typical)	≤3.5ns	≤1.7ns
Channel	2	
Display	7" color LCD, 800 x 480 pixels	
Input Impedance	1MΩ ± 2%, in parallel with 20pF±5pF	
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1	
Max Input Voltage	400V (PK - PK) (DC+AC, PK - PK)	
DC Gain Accuracy	±3%	
Record Length	10K	
DC Accuracy (average)	Average≥16: ±(3% reading + 0.05 div) for ΔV	
Probe Attenuation Factor	1X, 10X, 100X, 1000X LF Respond (AC, -3dB)	
LF Respond (AC, -3dB)	≥10Hz (at input, AC coupling, -3dB)	
Sample Rate / Relay Time Accuracy	±100ppm	
Interpolation	sin (x) / x	
Interval (ΔT) Accuracy (full bandwidth)	Single : ±(1 interval time + 100ppm x reading + 0.6ns), Average>16 : ±(1 interval time + 100ppm x reading + 0.4ns)	
Input Coupling	DC, AC, and GND	
Vertical Resolution (A/D)	8 bits (2 channels simultaneously)	
Vertical Sensitivity	5mV/div - 5V/div (at input)	
Trigger Type	Edge, Video	
Trigger Mode	Auto, Normal, and Single	
Trigger Level	±5 divisions from screen center	
Line / Field Frequency (video)	NTSC, PAL and SECAM standard	
Cursor Measurement	ΔV, and ΔT between cursors	
Automatic Measurement	Vpp, Vavg, RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Overshoot, Pre-shoot, Rise time, Fall time, +Width, -Width, +Duty, -Duty, Delay A→B, Delay A→B, area, cycle area	
Waveform Math	+, -, x, ÷, invert, FFT	
Waveform Storage	16 waveforms	
Lissajous	Full bandwidth	
Figure	±3 degrees	
Communication Interface	USB host, USB device	
Frequency Counter	available	
Power Supply	100V - 240V AC, 50/60Hz, CAT II	
Power Consumption	< 15W	
Fuse	2A, T class, 250V	
Dimension (W x H x D)	301 x 152 x 70 mm	
Device Weight	1.10 kg	

Digital Multimeter

MDM-5500



- 55,000 counts, DC voltage accuracy up to 0.05%
- Up to 65 readings per second
- True RMS AC voltage / current measurement
- Data record function, you can record the measured data into internal memory, and then read and process the recorded data with your computer
- Dual line display supported
- SCPI support
- Using our powerful and easy to use interface, you can access, store, process and manage your data, by simply displaying your results in form of a table.
- 3.7 inch high-resolution LCD, providing a clear display

Standard RS232

MODEL	Measurement Range	Resolution	Accuracy ±(% of reading + % of range)
DC Voltage	50.000mV	0.001mV	0.1%+10
	500.00mV	0.01mV	0.05%+5
	5.0000V	0.0001V	0.05%+5
	50.000V	0.001V	0.05%+5
	500.00V	0.01V	0.1%+5
AC Voltage	500mV-750V	20Hz~45Hz	1% + 30
		45Hz~65Hz	0.5% + 30
		65Hz~1KHz	0.7% + 30
DC Current	500uA	0.01uA	0.15%+20
	5000uA	0.1uA	0.15%+10
	50mA	0.001mA	0.15%+20
	500mA	0.01mA	0.15%+10
	5A	0.0001A	0.5%+10
	10A	0.001A	0.5%+10
AC Current	500uA-500mA	/	0.5%+20
	5A-10A	/	1.5%+20
Resistance	500Ω	0.01Ω	0.15%+10
	5KΩ	0.0001KΩ	0.15%+5
	50KΩ	0.001KΩ	0.15%+5
	500KΩ	0.01KΩ	0.15%+5
	5MΩ	0.0001MΩ	0.3%+5
	50MΩ	0.001MΩ	1%+10
Frequency	10.000Hz-60MHz	/	±(0.2%+10)
Capacitance	50nF-500uF	/	2.5%+5
	5mF-50mF	/	5%+10
Diode	3.0000 V	0.0001V	/
Continuity	1000 Ω	0.1Ω	Adjustable threshold
Temperature	K type, PT100		
Max Display	55,000 counts		
Logging Duration	15ms-9999.999s		
Logging Length	1,000 points		
Display Screen	3.7- inch TFT LCD with resolution 480*320		
Dimensions (W×H×D)	235 x 88x 64 (mm)		
Device Weight	Approximately 0.45kg		

High Precision Multimeter

MDM-8265/8255



Standard USB RS232/485 Optional LAN GPIB

- Support SCPI remote control command, compatible with the mainstream multimeter command set in the market, standard PC control software
- Configuration ports: USB Device, USB Host, RS232/485, LAN(optional), GPIB(optional)

Features

- 30 kS/s high-speed acquisition, conducive to capture transient signals
 - Standard bar charts, histograms, trend charts, and statistics
 - Dual display measurement function to display both voltage and frequency
 - True RMS of AC voltage and true RMS of AC current are measured
- Various measuring functions: DC voltage, AC voltage, DC current, AC current, 2-wire resistance, 4-wire resistance, capacitor, diode, connectivity, frequency, period, temperature, current range up to 10A
- 4.3 "64K color TFT LCD screen
 - The safety standard is CAT II 300 V

Series	Reading resolution	Max measurement speed	I/O interface	DCV basic accuracy
MDM-8265	6 1/2	30, 000↑readings/s	USB, RS232/485 LAN, GPIB	75 PPM
MDM-8255	5 1/2	30, 000↑readings/s	USB, RS232/485 LAN, GPIB	150 PPM

DC voltage		MDM-8265		MDM-8265			
Range	Input impedance	resolution	Accuracy (one year)	resolution	Accuracy (one year)		
100 mV	10 MΩ or >10 GΩ	0.1uV	0.0050+0.0035	1uV	0.018+0.008		
1 V	10 MΩ or >10 GΩ	1uV	0.0040+0.0007	10uV	0.015+0.005		
10 V	10 MΩ	10uV	0.0035+0.0005	100uV	0.015+0.005		
100 V	10 MΩ	100uV	0.0045+0.0006	1mV	0.015+0.005		
1000 V	10 MΩ	1mV	0.0045+0.0010	10mV	0.015+0.005		
Resistance		MDM-8265		MDM-8265			
Range	Test current	resolution	Accuracy (one year)(TCAL±5°C)	resolution	Accuracy (one year)(TCAL±5°C)		
100 Ω	1 mA	100μΩ	0.010+0.004	1mΩ	0.050+0.008		
1 KΩ	1 mA	1mΩ	0.010+0.001	10mΩ	0.050+0.008		
10 KΩ	100 μA	10mΩ		100mΩ	0.050+0.005		
100 KΩ	10 μA	100mΩ		1Ω	0.050+0.005		
1 MΩ	5 μA	1Ω		10Ω	0.060+0.005		
10 MΩ	500 nA	10Ω		100Ω	0.250+0.005		
100 MΩ	500 nA 10 MΩ	100Ω	0.800+0.010	1kΩ	2.000+0.005		
DC current		MDM-8265		MDM-8265			
Range	Burden voltage	resolution	Accuracy (one year)(TCAL±5°C)	resolution	Accuracy (one year)(TCAL±5°C)		
100 μA	<0.02 V	1nA	0.050+0.025	10nA	0.050+0.015		
1 mA	<0.2 V	1nA	0.050+0.006	10nA	0.050+0.007		
10 mA	<0.02 V	10nA	0.050+0.020	0.1uA	0.050+0.015		
100 mA	<0.2 V	0.1uA	0.050+0.005	1uA	0.050+0.007		
1 A	<0.1 V	1uA	0.100+0.010	10uA	0.100+0.015		
3 A	<0.3 V	1uA	0.200+0.020	10uA	0.250+0.007		
10A	<0.02 V	10uA	0.120+0.010	0.1mA	0.250+0.007		
Conduction test		MDM-8265		MDM-8265			
		Accuracy (one year)(TCAL±5°C)		Accuracy (one year)(TCAL±5°C)			
1KΩ	1 mA	—	0.010+0.030	—	0.100+0.100		
Diode		MDM-8265		MDM-8265			
5V	1 mA	—	0.010+0.030	—	0.05+0.03		
Ac voltage		MDM-8265		MDM-8265			
frequency	Gear position	Accuracy (one year)(TCAL±5°C)	frequency	Gear position	Accuracy (one year)(TCAL±5°C)		
5 Hz - 10 Hz	100mV,1V,10V, 100V,750V	0.35+0.03	20 Hz-45 Hz	100mV,1V,10V,100V,750V	1.00+0.10		
					0.06+0.03	45 Hz-10 KHz	0.20+0.10
					0.12+0.05	10 KHz-30 KHz	1.50+0.30
					0.60+0.08	30 KHz-100 KHz	3.00+0.30
					4.00+0.50		
Ac current		MDM-8265		MDM-8265			
frequency	Gear position	Accuracy	frequency	Gear position	Accuracy		
3 Hz-5 KHz	100uA-10A	0.10+0.04	20 Hz-45 Hz	100uA-10A	1.50+0.10		
5 KHz-10 KHz		0.10+0.04	45 Hz-1 KHz		0.50+0.10		
			1 KHz-10 KHz		2.00+0.20		
Frequency		MDM-8265		MDM-8265			
Gear position	resolution	Accuracy	Gear position	resolution	Accuracy		
3 Hz-10 Hz	0.001 Hz,	0.1	20 Hz - 300 KHz	0.001 Hz, 0.00001 KHz, 0.001 KHz, 0.00001 MHz	0.02+3		
10 Hz-100 Hz	0.00001 KHz,	0.03					
100 Hz-1 KHz	0.0001 KHz,	0.01					
1 KHz-300 KHz	0.001 KHz,	0.01					
Square wave		0.01					
Capacitance		MDM-8265		MDM-8265			
		Accuracy		Accuracy			
1 0000 nF		0.50+0.50	1 0000 nF		1+0.5		
10 000 nF			10 000 nF		1+0.5		
100 00 nF			100 00 nF		1+0.5		
1 0000 μF		0.40+0.10					
10 000 μF							
100 00 μF							
Temperature		MDM-8265		MDM-8265			
PT100		Probe accuracy+0.05°C	PT100(DIN/IE)		Probe accuracy+0.05°C		
5 KΩthermistor		Probe accuracy+0.1°C	5 KΩthermistor		Probe accuracy+0.1°C		

Digital Multimeter

MDM-200 Series



Multi-function

A good helper of engineers

- True RMS measurement
- Intelligent burn resistant design
- NCV non-contact voltage interaction
- Double quakeproof protection design
- Maximum display 9999 digits



Model	MDM-201	MDM-202	MDM-203	MDM-204
DC Voltage	0.1mV~600V ±(0.5%+2)	0.1mV~600V ±(0.8%+5)	0.01uV~600V ±(0.5%+2)	0.6V~600V ±(0.5%+3)
AC Voltage	0.1V~600V ±(1.2%+10)	1mV~600V ±(1.0%+3)	0.01uV~600V ±(1.0%+3)	0.6V~600V ±(1.0%+3)
DC Current	1uA~10A ±(1.0%+2)	0.01uA~10A ±(1.0%+2)	0.01uA~10A ±(1.0%+2)	1uA~600mA ±(1.2%+10)
AC Current	/	0.01uA~10A ±(1.0%+5)	0.01uA~10A ±(1.0%+5)	1uA~600mA ±(1.2%+10)
Resistance	0.1Ω~20MΩ ±(0.8%+3)	0.1Ω~60MΩ ±(0.8%+2)	0.1Ω~100MΩ ±(0.8%+2)	0.1Ω~60MΩ ±(0.8%+10)
Capacitance	/	1nF~60000μF ±(3.0%+5)	1nF~100000μF ±(3.0%+10)	6nF~60000μF ±(3.5%+20)
Frequency	/	10~10MHz ±(0.1%+5)	10~10MHz ±(0.1%+3)	40~10MHz ±(0.1%+3)
Diode	✓ 2.2V	✓ 3.2V	✓ 3.2V	✓ 3V
NVC Response	✓	✓	✓	✓
VFCMM			✓	
Intelligent prevent burning	✓	✓	✓	
True RMS	✓	✓	✓	
Backlight display	✓	✓	✓	
On and off alarming	✓	✓	✓	
Value lock	✓	✓	✓	
Auto-power off	✓	✓	✓	✓
Maximum display	1999	5999	9999	5999
Input resistance		10MΩ	10MΩ	10MΩ
Sample rate	About 3 times/second			
Power	1.5V*2pc (AAA battery)			
Net weight (kg)	0.2			
Gross weight (kg)	0.3			
Instrument size (W*H*D)	105*45*70			
Packing size (W*H*D)	150*55*75			

Temperature recorder

MTR-2000 Series



standard USB, RS485

Features

- Hd 5 "IPS industrial LCD touch screen, high resolution 854X480, more clear display.
- Using 32-bit high-speed MCU data processing + 24-bit high-speed AD measurement chip, fast response speed, high precision, stable and reliable.
- Multi-interface display, file list, real-time list display, histogram display, real-time/record/analysis curve display, alarm list, system Settings, etc.
- Operation tips, humanized design, easy to understand and simple operation.
- Supports multiple sensor inputs:K J E T N S R B.
- Basic measurement accuracy :0.2°C+2 words (without sensor), cold end compensation accuracy: 0.5°C.
- Independent error correction per channel Y=KX+B.
- Each channel can be set to use different thermocouple types.
- You can customize the name of each channel and export the name to EXCEL.

- Instrument second change U disk
- 32 channels can be displayed simultaneously
- A one-second interval can also record 97 days
- One click fast recording
- List, curve, histogram display
- Remote Firmware Upgrade
- Strong anti-jamming
- Record files are exported or deleted at any time
- Customize channel names and export EXCEL files
- Multistage alarm function, double relay output
- Using 8 different thermocouples at the same time

- The voltage difference between channels can be as high as AC/DC 350V(higher voltage value can be customized), super anti-interference ability.
- Support a maximum of 64 recording files, each file 130,000 groups of data,1 to 9999 seconds interval arbitrary setting, the maximum recording time =97 days X interval.
- Record files can be selected to delete and export, USB flash drive or PC directly export EXCEL files.
- USB and RS485 communication ports are standard.
- Modular design, each module 8 channels, support a maximum of 64 channels, capacity expansion automatic identification.
- Multi-level alarm indicator, HH,H,L,LL alarm setting and alarm indicator, and has the function of historical alarm record.

Model	MTR-2000
Mode of display	5 "TFT true color LCD industrial touch screen 854*480 pixels
Form of display	Real-time list, curve (historical curve), bar chart, current alarm (historical alarm), file record list.
Query of records	The machine view record curve, historical alarm record, computer software analysis query.
Number of channels	Each module supports 8 channels and a maximum of 64 channels
Thermoelectric couple	K J E T N S R B
Basic accuracy	0.2°C+2 words (without thermocouple error)
Range of measurement	-200 ~ 1820°C(based on the thermocouple indexing range)
Cold end compensation	Accuracy :0.5°C
Resolution	0.1°C
correction	Independent error correction per channel Y=kx+b(x= measured value)
Number of files	64 (loop records)
File capacity	One file can record 130,000 groups (without distinguishing the number of channels).
Usb flash drive interface	Export record file, second change U disk function (instrument is U disk), directly view the files and software.
Recording Duration	The one-second recording interval can be consecutively recorded for 97 days.
Rate of sampling	Each channel fast :0.1S, slow: 1S
Isolation between channels	Ac/DC up to 350V, high voltage live measurement, super anti-interference ability
Control output	Two sets of independent relay outputs are (H/L) and (HH/LL) relaysvv
Alarm sound	All the buzzer sounds (any alarm sounds, can be muted)
Interval of recording	1 to 9999 seconds for any setting
Communication interface	USB and RS485 ports are standard
Power supply power	AC85-265V±10%, frequency 50Hz/60Hz <10W
Thermoelectric couple	Each channel is equipped with a 2 m K thermocouple
Size	Width 220X deep 293X height (including feet)106mm, the size is about the size of A4 paper
Weight	About 3Kg(configuration varies)
Environmental Conditions	5 ~ 40°C,20% ~ 80%RH(no condensation)

Infrared Thermometer

MTM-300 Series



Choose high-quality electronic components, adopt aluminum alloy sensor, accurately receive temperature signal measurement, pay attention to the details of customers, to provide customers with more professional measurement experience

- High and low temperature sound and light alarming, high and low temperature alarm value can be set according to the use requirement
- HD VA color backlight display, clear reading
- Laser 9 point positioning measurement leads to more accurate measuring
- The emissivity is adjustable, higher precision measurement for different material surface
- Alarming sound can be open or close
- It can be collected with K type probe for temperature measurement (only:MTM-304)
- Environment temperature and humidity display (only:MTM-304)
- Temperature unit conversion
- 0.5 second fast response, maximum value, auto turn-off, over-range tip etc

Model	MTM-301	MTM-302	MTM-304
Temperature measurement range	-50°C~480°C	-50°C~680°C	-50°C~880°C
Measurement accuracy		(1.5%+1°C) (1.5%+5°F)	
Repeat accuracy		±0.5% or ±1°C (2°F)	
Display resolution		0.1°C (0.1°F)	
Resolution		0.1~1.00 adjustable	
Measure the distance ratio		12:1	
°C/°F temperature unit conversion		✓	
Backlight display/ auto shutdown		✓	
Overrange display		"LO" or "HI"	
Screen display mode		VA color screen	
K type probe measure temperature	×	×	×
Ambient temperature and humidity display	×	×	×
Power supply	1.5V*2AAA (seventh battery)		
Operation temperature/humidity	0°C~50°C ; 10~95%RH no condensation		
Net weight (kg)	0.15		
Gross weight (kg)	0.25		
Instrument size (W*H*D)	150*40*95		
Packing size (W*H*D)	190*52*123		

Oscilloscope Probe

Essentially, an oscilloscope probe establishes a physical and electrical connection between a test point or source and an oscilloscope; in fact, an oscilloscope probe is a type of device or network that connects a signal source to an oscilloscope input. There are three key issues with the degree of connectivity: physical connectivity, impact on circuit operation, and signal transmission.

◆ General Oscilloscope Probe IP-100/200/1110/2210/2220/2230



Model	IP-100	IP-200	IP-1110	IP-1120	IP-2210	IP-2220	IP-2230
Bandwidth	DC-100MHz	DC-200MHz	DC-100MHz	DC-200MHz	DC-100MHz	DC-200MHz	DC-300MHz
Attenuation	X1 / X10						
Input resistance	About 1MΩ for X1 and about 10MΩ for X10						
Input capacitance	About 105pF for X1 and about 15pF for X10	About 95pF for X1 and about 13pF for X10		About 95pF for X1 and about 12pF for X10			
Maximum output Voltage	X1 150V DC +Peak AC X10 300Vrms						
Compensation range	10-20pF	10-25pF		10-30pF			
Test line length	About 1.2m						
Operating environment	0-50°C 0-80%RH						

◆ P6139 Series Oscilloscope Probe P-6139/P6139A/P6139B



- Miniature probe tip: easier to connect into tested circuit
- Frequency width DC-500MHz
- P6139B With automatic identification function
- Parts combination : more flexible usage , adapt to more test occasions

Model	P-6139	P-6139A	P-6139B
Bandwidth	500MHz	500MHz	500MHz
Attenuation	10X / 1X	10X	10X
Rise Time	<700Ps	<700Ps	<700Ps
Maxinput Voltage	300VCATII	300VCATII	300VCATII
Input Resistance	10MΩ/1MΩ	10MΩ	10MΩ
Input Capacitance	11pF/95pF	9pF	9pF
Auto-ID	No	No	Yes
Cable Length(meter)	1.4m		

◆ Oscilloscope High Voltage Probe

IP-2100/P3100/IP3100/P5100A

- Frequency width DC-250MHz
- Automatically identification function
- Voltage withstand as high as 3000Vpk
- High precision accuracy < 1%



Model	IP-2100	P-3100	IP-3100	P-5100A
Bandwidth	100MHz	100MHz	250MHz	250MHz
Attenuation	100X	100X	100X	100X
Rise Time	< 3.50ns	< 3.50ns	< 1.4ns	< 1.4ns
Maxinput Voltage	2000Vpk	2000Vpk	2000Vpk	3000Vpk
Input Resistance	100MΩ	100MΩ	100MΩ	100MΩ
Input Capacitance	12pF	10pF	10pF	3pF
Cable Length(meter)	1.2m	1.2m	1.2m	2m
Operating environment	0-50°C 0-80%RH			

◆ Differential Probe

P-5205A/5210A

- Separate design
- Adopt large scale integrated circuit , SMT process , with better reliability and stability
- 4MΩ high resistance
- Super high speed test probe , rising time can reach to 3.5ns



Model	P-5205A	P-5210A
Bandwidth	50MHz	100MHz
Attenuation	500X / 50X	500X / 50X
Rise Time	< 7ns	< 3.50ns
Differential voltage	+/-1300V(500X)	+/-1300V(500X)
Common mode voltage	1000VRms	1000VRms
Input resistance	8MΩ/4MΩ	8MΩ/4MΩ
Input capacitance	7pF	7pF
Common mode dump ratio	DC: > -80 dB 100 kHz : > -60dB 3.2 MHz:-40dB 100 MHz : -30dB	DC: > -80 dB 100 kHz : > -60dB 3.2 MHz:-40dB 100 MHz : -30dB

Optional Accessories



LCR-001

SMD Four-terminal test cable



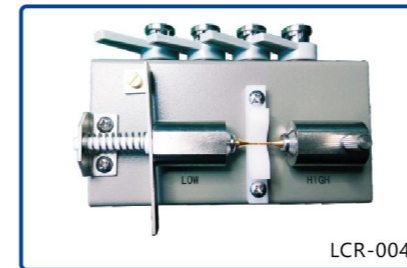
LCR-002

SMD Four-terminal test cable



LCR-003

SMD Test pliers



LCR-004

SMD Test box



LCR-006

Four-terminal test box



IOM002

Ohmmeter Test pen



LCR-101

Gold plated short circuit



LCR-102

Gold plated short circuit



MTR-08

Temperature module



MTL-309

Power supply test lead



MEL-300

RS-232 cable

