



Automate

26 Years of Innovation

- Test & Measuring Instruments
- Power Supplies
- EMI & EMC Solutions
- Electrical Test Instruments



- ◆ RF & Microwave Test Instruments
- ◆ Networking & Fiber Optics Testing Solutions
- ◆ Environmental Chambers
- ◆ Testing & Calibration Solutions

2024-25
Compact Catalogue



GDS-3000A Series Digital Storage Oscilloscopes

- 650MHz /350MHz Bandwidth, 2 or 4 Input Channels
- 5GSa/s Sampling Rate (half channels) 2.5GSa/s Sampling Rate (all channels)
- Per Channel 200Mpts Memory Depth



MPO-2000 Series Multi-function Programmable Oscilloscope

- MPO-2000P:200MHz; 4CH/2CH
- MPO-2000B:100MHz; 4CH/2CH
- Allow to use Python scripts to control for automation purpose
- Dual Channel Spectrum analyzer with Spectrogram, 25MHz AWG; DMM and power supply.
- I2C/SPI/UART/CAN/LIN serial bus trigger and decoding function



MSO-2000E Series Mixed-signal Oscilloscopes

- 200/100/70MHz bandwidth selections: 2 or 4 channels
- 1GSa/s Real-Time Sampling Rate for Each Channel (2ch model); 1GSa/s
- MSO-2000EA equips with a 16-channel logic analyzer and a dual channel 25MHz arbitrary waveform generator



GDS-2000E Series Digital Storage Oscilloscopes

- 200/100/70MHz Bandwidth Selection; 2 or 4 Channels
- 1GSa/s Real-Time Sampling Rate for Each Channel (2ch model); 1GSa/s
- Per Channel 10M Memory depth
- Data Log Function Tracks Signal Changes Up To 100 hours



MDO-2000A Series Mixed-domain Oscilloscopes

- 300/200/100MHz bandwidth selections; 2 channels
- Real time sampling rate is 2GSa/s max.
- Per Channel 20M memory depth and VPO waveform display technology
- Waveform update rate up to 120,000 wfms/s



GDS-1000B Series Digital Storage Oscilloscopes

- 200/100/70MHz bandwidth selections, 2ch input
- 100/70/50MHz bandwidth selections, 4ch input
- 1GSa/s maximum sampling rate
- 10M maximum memory depth for each channel

SPECTRUM ANALYZER



GSP-8000 Spectrum Analyzer

- Frequency Range: 9kHz ~ 8.0GHz / 3.8GHz / 1.8GHz
- RBW: 1Hz ~ 1MHz in 1-3-5-10 steps
- Phase Noise: -104 dBc/Hz
- Sensitivity: -160dBm/Hz Typical @PreAmp On
- Display: 10.4" XGA Output (1024*768)



GSP-9330 Spectrum Analyzer

- Frequency Range: 9kHz ~ 3.25GHz
- RBW: 1Hz ~ 1MHz (3dB), 6dB EMI Filter: 200Hz, 9kHz, 120kHz, 1MHz
- Built-in EMC pretest function, Quasi-Peak/Average EMI detect mode
- Built-in Spectrogram, Topographic and Split-Window Display Modes

SIGNAL GENERATOR



AFG-3000 Series Arbitrary Function Generator

- Wide frequency range from 1 μ Hz to 80/50MHz
- High 200MSa/s sampling rate
- 16-bit Amplitude Resolution
- Output from any section of 1M-point-long waveform



MFG-2000 Series Multi-Channel Function Generator

- Maximum Five Output Channels
- 2 Equivalent Performance Arbitrary Channels Frequency: 1 μ Hz~10/20/30/60/200MHz
- RF Channel Frequency (FG/ARB/MOD) : 160/320MHz
- Pulse Generator Frequency : 25MHz



AFG-2225 Dual-Channel Arbitrary Function Generator

- Wide Frequency Ranges From 1 μ Hz to 25MHz (sine/square wave)
- 1 μ Hz Resolution in Full Range
- Built-in Standard 120MSa/s, 10bit, 4k Points Arbitrary Waveform for Both Channels
- True Dual-Channel Output, CH2 Provides the Same Characteristics as CH1



AFG-2100 & AFG-2000 Arbitrary Function Generator

- 0.1Hz to 5/12/25 MHz with in 0.1Hz Resolution
- Sine, Square, Triangular, Noise and Arbitrary Waveform
- 20MSa/s Sampling Rate, 10 bit Vertical Resolution and 4k Point Memory for Arbitrary Waveform

PROGRAMMABLE SINGLE CHANNEL DC POWER SUPPLY



GPP-3610H/7250 Single-Channel Programmable DC Power Supply

- Programming resolution: 1mV/0.2mA (GPP-3610H); 2mV/0.2mA (GPP 7250)
- Readback resolution: 0.1mV/0.1mA
- Low ripple noise: \leq 1mVrms / \leq 2mArms
- GPP-3610H (0 - 36V/0 - 10A/360W)
- GPP-7250 (0 - 72V/0 - 5A/360W)



PLR-Series Low Noise D.C. Power Supply

- Output Voltage Rating: 20V / 36V / 60V
- Output Power: 360W / 720W
- Low Ripple and Noise (0.5mVrms / 10mArms)
- Fast transition recovery time(100us)



PSW-Series Programmable Switching D.C. Power Supply

- Voltage Rating: 30V/40V/80V/160V/250V/800V, Output Power Rating: 360W ~ 1080W
- Multi-range Voltage & Current Combinations in One Power Supply
- CV/CC Priority; Particularly Suitable for the Battery and LED Industry



GPP-1326 Single Channel Programmable DC Power Supply

- Rating : 0-32 V / 0 ~ 6 A /192 W
- Setting Resolution: 1mV / 0.1mA
- Read Back Resolution: 0.1mV / 0.1mA
- Standard: RS-232, USB, Ext I/O
- Optional: LAN, GPIB+LAN



PSU-Series

- Voltage Rating: 6V/8V/12.5V/15V/20V/30V/40V/50V/60V/80V/100V/150V/300V/400V/600V
- Output Power Rating: 1200W~1560W
- Standard Interface: USB, LAN, RS-232, RS-485, Analog Control



PSB-2000

- Output Voltage Rating: 80V/800V
- Output Power Rating: 400W~800W
- Constant Power Output for Multi-Range (V ϵ I) Operation
- Series and Parallel Operation (2 Units in Series or 4 Units in parallel Maximum)



PSH-Series Programmable Switching D.C. Power Supply

- Output Rating: 20V/36V, 10/18/20/30A
 Output Power Rating: 360W – 1080 W
- LabView driver & RS 232 Interface
 - Over voltage over current and over temperature protection



PSP-Series Programmable Switching D.C. Power Supply

- Three models : 60V/3.5A, 40V/5A, 20V/10A (200W)
- Standard interface: RS-232C
 - OVL / OCL / OPL / OTP protection
 - Key lock to avoid operation error



PPX-Series Programmable High-Precision DC Power Supply

- Output Voltage Rating: 10/20/36/100 VDC
- Output Power: 36 W – 108 W
- Interfaces: USB, LAN, RS-232, RS-485, Analog Control



PFR-100 Series

- Output Voltage Rating : 50/250 VDC
- Output Current Rating : 2 A /10 A (100 W)
- Built-in USB, RS-232/485 and LAN Interface

PROGRAMMABLE MULTIPLE CHANNEL DC POWER SUPPLY



PSW-Series Programmable Switching D.C. Power Supply

- Voltage Rating: 30V/40V/80V/160V/250V/800V, Output Power Rating: 360W ~ 1080W
- Multi-range Voltage & Current Combinations in One Power Supply
- CV/CC Priority; Particularly Suitable for the Battery and LED Industry



GPP-3060/6030/3650 Triple-Channel Programmable DC Power Supply

- GPP-3060 385W (CH1 & 2 : 0-30V/0-6A, CH 3 : 1.8V/2.5V/3.3V/5V/5A)
- GPP-6030 385W (CH1 & 2 : 0-60V/0-3A, CH 3 : 1.8V/2.5V/3.3V/5V/5A)
- GPP-3650 385W (CH1 & 2 : 0-36V/0-5A, CH 3 : 1.8V/2.5V/3.3V/5V/5A)
- Standard: RS-232, USB, LAN, Ext I/O



PPE-3323 Multiple Output Programmable Linear D.C. Power Supply

- Output Rating: 0~+32V, 0~-32V, 3.3V/5V Fixed/ 0~+3A, 0~-3A, 3A Fixed
- High resolution: 10mV, 1mA
- Over voltage protection by software
- 50 Sets memory
- Self test and software calibration

NON- PROGRAMMABLE SINGLE CHANNEL DC POWER SUPPLY



GPE-1326 Single Output Linear D.C. Power Supply

- Isolated Output : 0-32 V/0 – 6 A/192W
- 4.3 Inch LCD Display
- Setting & Read back Resolution 100mV / 10mA (*1)
- Output ON/OFF



GPR-M Series Linear D.C. Power Supply

- Output Voltage Rating : 0 - 18/30/60 V
 Output Current Rating: 0-3/6/10 A (180W)
- 0.01% High Regulation
 - Constant Voltage and Constant Current Operation



SPS-Series Switching D.C. Power Supply

- Output Voltage Rating : 0-12/18/24/36/60 V
 Output Current Rating: 0 - 6/10/15/20/30 A (360W)
- Dual Measurement Display
 - Constant Voltage and Constant Current Operation



GPR-H Series Linear D.C. Power Supply

- Output Voltage Rating : 0 – 8/18/35/60/75/110/300 V
 Output Current Rating: 0 - 1/3/5/6/10/20/30 A
 Output Power Rating : 240 W – 375 W
- 0.01% High Regulation
 - Constant Voltage and Constant Current Operation



GPS-Series Linear D.C. Power Supply

- Output Voltage Rating : 0 – 18/30 V
 Output Current Rating: 0 - 3/5 A
 Output Power Rating : 54 W – 90 W
- Series or Parallel Operation
 - Constant Voltage and Constant Current Operation

NON PROGRAMMABLE MULTI-CHANNEL DC POWER SUPPLY



GPE-X323 Series Multiple Output Linear D.C. Power Supply

- GPE-4323 212W (CH1 & 2 : 0-32V/0-3A, CH 3 : 0-5 V /1A, CH4 : 0 – 15 V / 1 A)
 GPE-3323 217W (CH1 & 2 : 0-32V/0-3A, CH 3 : 5V/5A)
 GPE-2323 192W (CH1 & 2 : 0-32V/0-3A)
- Setting & Read back Resolution 100mV / 10mA



GPC-Series Triple Output Linear D.C. Power Supply

- GPC-6030D 375W (CH1 & 2 : 0-60V/0-3A, CH 3 : 5 V /3A)
 GPC-3060D 375W (CH1 & 2 : 0-30V/0-6A, CH 3 : 5V/3A)
- Auto Series and Parallel Operation
 - Constant Voltage and Constant Current Operation



SPD-3606 Multiple Output Dual Range D.C. Power Supply

- CH1 & CH2 : 0 ~ 30V / 0 ~ 6A ; 0 ~ 60V / 0 ~ 3A
 CH3 adjustable output : 0.1~5V/3A
- High efficiency power conversion (up to 25% more than traditional power supply)
 - Remote output on/off control



GSM-20H10 Source Measure Unit

- Maximum Output: ±210V±1.05A/22W
- Built-in 4 Sequence Output Modes, up to 2500 Points
- OVP /OTP Protection Function
- 0.012% Basic Measure Accuracy with 6½- digit Resolution

AC+ DC POWER SUPPLY



ASR-6000 Series High Performance AC/DC Power Source

- Adopts third-generation semiconductor silicon carbide (SiC) technology to create a 4U 6kVA high-performance AC/DC power source with high power density
- AC input supports single-phase and three-phase, phase voltage 200V to 240V±10% (Delta or Y connection)



ASR-3000 Series Programmable AC/DC Power Source

- Output Rating: AC 0 – 400 Vrms, DC 0 – ± 570 V
- Output Frequency up to 999.9 Hz (ASR-3400HF up to 5000Hz)
- DC Output (100% of Rated Power)
- Measurement Items: Vrms, Vavg, Vpeak, Irms, Ipk, Iavg, Ipeak, P, S, Q, PF, CF

AC POWER SOURCE



APS-7000 Series Programmable Linear AC Power Sources

- 4.3-inch TFT-LCD
- Output capacity : APS-7050(500VA, 310Vrms, 4.2Arms); APS-7100 (1000VA, 310Vrms, 8.4Arms); APS-7200(2000VA, 310Vrms, 16.8Arms); APS-7300 (3000VA, 310Vrms, 25.2Arms);
- Output augmentation by options (0~600Vrms/45~999.9Hz)



APS-7000E AC Power Sources

- 4.3 inch TFT-LCD Display
- Output Capacity: APS-7050E(500VA, 310Vrms, 4.2/ 2.1Arms), APS-7100E (1000VA, 310Vrms, 8.4/ 4.2Arms)
- Only 88mm(2U) case height
- Measurement function comprises Voltage, Current, Power, Current (peak), Frequency, Power Factor



PEL-3000AE Programmable D.C. Electronic Load

- 7 Operating Modes: CC, CV, CR, CP, CC+CV, CR+CV, CP+CV
- Fast/ Normal Sequence Function
- 300 W (0 - 150V/60A) OR (0-500V/15A)
- Battery discharge test
- OCP/OPP test Automation



PEL-2000B Programmable D.C. Electronic Load

- Sequence function to do high Efficient load simulations
- Flexible configuration with mainframes and plug-in modules
- Multiple independent load inputs up to 8 channels in PEL-2000A mainframe
- Parallel connection of inputs for increased load capacity



PEL-5000C High Power Compact DC Load

- Maximum power up to 192KW
- Up to 8 units of master/slave parallel control
- 5-digit digital voltage, current and power meter
- Large LCD Display



PEL-3000E Programmable D.C. Electronic Load

- 7 Operating Modes: CC, CV, CR, CP, CC+CV, CR+CV, CP+CV
- Fast/ Normal Sequence Function
- 300 W (0 - 150V/60A) OR (0-500V/15A)
- Battery discharge test
- OCP/OPP test Automation
- Max. Slew Rate: 2.5A/us



PEL-5000G Series High Power DC Electronic Load

- 5 digital V / A / W Meter can be displayed on Large LCD display simultaneously
- Flexible CC, CR, CV, CP, CV + CL, CV + PL, Dynamic and short circuit operation modes
- Surge Test mode for Capacitive load for current rising transient test



PEL-500 Series DC Electronic Load

- 5-digit digital voltage, current and power meter
- Simultaneous display of voltage, current, and watts
- Short-circuit time can be set during short-circuit test



PEL-3000/3000H Series Programmable DC Electronic Load

- Operating voltage (DC): 0~150V(PEL-3000)/ 0~800V(PEL-3000H)
- Operating Mode : C.C / C.V / C.R / C.P / CC+CV / CR+CV / CP+CV
- Parallel Connection of Inputs for Higher Capacity (Max: 9,450W)



PEL-2000A Programmable D.C. Electronic Load

- Sequence function to do high Efficient load simulations
- Flexible configuration with mainframes and plug-in modules
- Multiple independent load inputs up to 8 channels in a mainframe
- Parallel connection of inputs for increased load capacity

AC/DC ELECTRONIC LOADS

DATA ACQUISITION SYSTEMS (DAQ)

ENVIRONMENTAL CHAMBERS



AEL-500 AC/DC LOAD

- CC, Linear CC, CR, CV, CP and AC Rectifier Load Mode
- Frequency Range : DC, 40~440Hz
- Turbo Mode for 2 Times the Current and Power of Electronic Load within 1 Second



DAQ-9600 Data Acquisition System

- Large 4.3" TFT color display
- 3-slot mainframes with built-in 6 1/2 digit DMM
- Basic 0.0035% DCV accuracy
- 5 selectable switch modules
- Up to DC 600V / AC 400V voltage measurement (DAQ-909 module)



Vib-Tech Chamber Vibration-Temperature (Humidity) Combined Environmental Reliability Test System.

Uses

- Agree Cert Testing
- Thermal Shock Testing
- Rapid Life

Features

- Compact Design
- Super rapid temperature change (20°C/min)

Option

- Additional humidity testing feature
- LN2 Injection control feature (60°/min)

DIGITAL MULTIMETER



GDM-8351 Dual Measurement Multimeter

- 120,000 counts, VFD display
- Dual measurement/Dual display
- The basic precision of DC voltage: 0.012%
- Selectable measurement speeds, the maximum: 320 Readings/s



GDM-8245 Dual Display Digital Multimeter

- 50000 Counts Display
- Multi-Function : ACV, DCV, ACA, DCA, R, C, Hz, Continuity Beeper, Diode, Test, Max/Min, REL, Hold, dBm
- Dual Display Indicate ACV and Hz, or DCV(ACV) and dBm
- Manual or Auto Ranging



GDM-906X Dual Measurement Multimeter

- 6 1/2 Digit Display:1,200,000 Counts
- 4.3 TFT Graphic LCD
- DCV Basic Accuracy:0.0035% (GDM-9061)/0.0075%(GDM-9060)



GDM-8342 & GDM-8341 Dual Measurement Multimeter

- 50,000 counts, VFD display
- Dual measurement/Dual display
- Selectable measurement speeds, the maximum: 40 Readings/s for DCV
- The basic precision of DC voltage: 0.02%
- Auto/manual Ranging



GDM-8255A Dual Display Digital Multimeter

- GDM-8255A 199,999 Counts Display
- VFD Two Colors Display
- 0.012% DCV Accuracy
- True RMS (AC, AC + DC)
- 9 Major Measuring Functions and 10 Advanced Measurement Functions



LCR-1000 Handheld LCR Meter

- 2.8" TFT Touch LCD (10 kHz & 100 kHz)
- 50,000 Counts Resolution on Primary and Secondary Display
- 0.2% Basic Accuracy
- Six or Eight Selectable Test Frequencies Depends on Model



LCR-6000 Precision LCR Meter

- 3.5" color LCD
- 5 models (10Hz~2kHz/20kHz/100kHz/200kHz/300kHz)
- Consecutive test frequency
- Basic accuracy : 0.05%
- Measuring speed up to 25ms (max.)



LCR-8200(A) High-Frequency LCR Meter

- Wide Test Frequency :
- LCR-8200A:DC, 10Hz~50/30/20/10/5 MHz
- LCR-8200:DC, 10Hz~30/20/10/5/1 MHz
- 7" LCD color Display

SAFETY TESTER (HI-POT TESTER)



GPT-9500 Multi-Channel Hipot Tester

- 150VA AC Test Capacity
- 3 in 1 Tester : AC, DC, IR
- Built-in 8 channel Scanner
- 480 x 272 Color TFT LCD
- Test parameter Export / Import through USB host



GPT-12000 Electrical Safety Analyzer

- 200VA AC Test Capacity
- Comply with IEC 61010-2-034
- 7" TFT LCD
- Manual / Auto Mode
- RMS Current Measurement



GPT-15000 Electrical Safety Analyzer

- 500VA AC Test Capacity
- Short Circuit current > 200mA
- Comply with IEC 61010-2-034
- 7" TFT LCD
- Manual / Auto Mode



GPT-9900 Electrical Safety Tester

- 500VA AC Test Capacity
- Short Current > 200mA
- 240x64 Ice Blue Dot matrix LCD
- Sweep Function for DUT characteristic analysis



GPT-9800 Electrical Safety Tester

- 200VA AC Test Capacity
- 240x64 Ice Blue Dot matrix LCD
- Manual/Auto Mode
- Function Key for quick selecting
- High intensity flash for Caution & Status indication



GPT-9600 Economical Safety Tester

- 100VA AC Test Capacity
- 240x48 Ice Blue Dot matrix LCD
- Auto W-I or I-W Mode
- ARC Detection
- RMS Current Measurement

AC GROUND BOND TESTER

LEAKAGE CURRENT TESTER

BATTERY TESTER



GCT-9040 AC Ground Bond Tester

- AC 40A Ground Bond Tester
- Measuring Resistance from 1mΩ~650mΩ
- Connect with the GPT-9800/9900 series to become a multifunctional test or simultaneous test system
- 240x64 Ice Blue Dot Matrix LCD
- Function Key for quick selecting



GLC-10000 Leakage Current Tester

- Suitable for Medical Electrical & General Electrical of Leakage Current Measurement
- 7" Touch Pane with Color LCD
- 12 Different Measurement Network to Simulate the Resistance of Human Body (Including IEC 60601-1:2020 3.2rd)



GBM-3000 Battery Meter

- 3.5" TFT LCD (320x240)
- Measurement items: DC voltage and AC resistance
- Voltage measurement: 300V (GBM-3300) or 80V (GBM-3080)
- Resistance measurement: 0mΩ~3.2kΩ(max.)

DC-MILLI OHM METER

AC + DC POWER METER



GOM-804 & GOM-805 DC Milli-Ohm Meter

- 50,000 counts
- 3.5" (320 x 240) TFT LCD display
- High accuracy of 0.05% precision
- 1Amp test current, 0.1μΩ resolution
- Fast measurement of 60 readings per second
- Four wire resistance measurement



GPM-8330/8320 Digital Power Meter

- 5" TFT LCD
- Voltage/Current Test Freq. Bandwidth: DC, 0.1Hz~100kHz
- Waveform Display : V (Voltage), I (Current), P (Wattage)
- Distorted wave Current/Voltage measurement: full range for CF=3, and half range for CF=6 (or 6A)



GPM-8213 Digital Power Meter

- 4" TFT LCD
- Two data display modes
- Standard : two major measurement items + six secondary measurement items
- Simple : displaying test data of four different measurement items



GPM-8310 Digital Power Meter

- 5" TFT LCD
- DC, 0.1Hz ~ 100kHz voltage/current test bandwidth
- Two numerical display modes: General mode: displays 2 main test items + 8 secondary test items ; Simple mode: displays the test values of 4 main test items

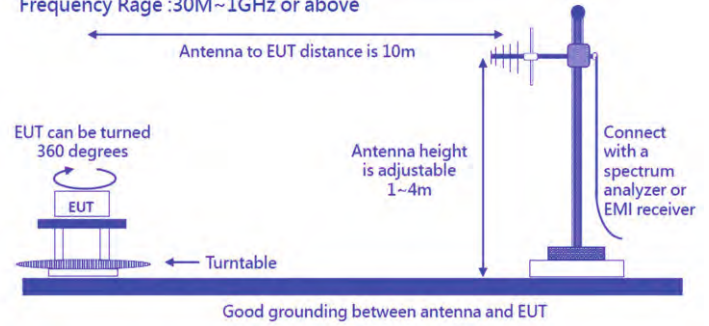


EMI regulations

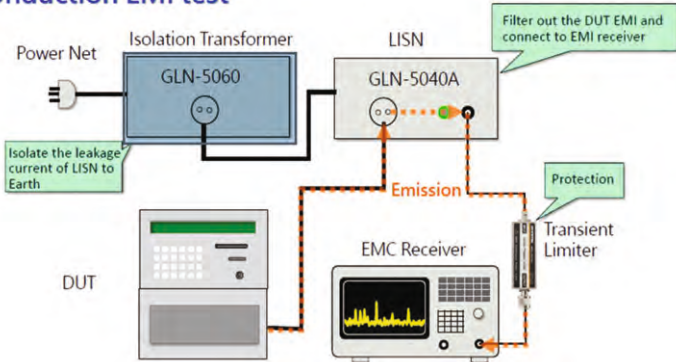
FCC	CISPR	EN's	Description
18	11	EN 50011	Industrial, scientific and medical equipment
--	12	--	Automotive
15	13	EN 55013	Broadcast receivers
	14	EN 55014	Household appliances/tools
	15	EN 55015	Fluorescent lights/luminaries
15	22	EN 55022	Information technology equipment
	--	EN61000-6-3, 4	Generic emissions standards
	16	--	Measurement apparatus/methods
16		EN 55025	Automotive component test

EMI radiation test at Open Area Test Site

Frequency Range :30M~1GHz or above



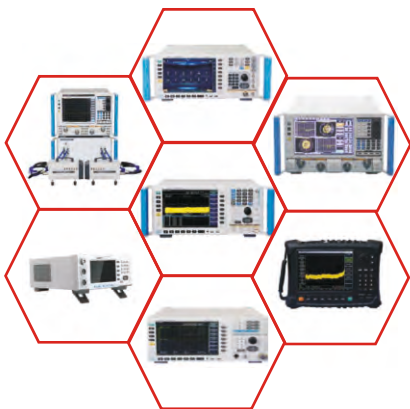
Conduction EMI test



GW Instek EMC Pretest Solution

Products	Model
	Spectrum analyzer: GSP9330+TG (optional)
	Near-field Probe/Sensor: GKT-008+adaptor+cable
	Line Impedance Stabilization Network: GLN-5040A
	Isolation Transformer: GIT-5060
	Pulse Limiter: GPL-5010 Adaptor (SMA-BNC):ADP004
	Freeware for EMI: Spectrum Shot

RF & MICROWAVE TESTING INSTRUMENTS



Product

- Signal Generator
- Spectrum Analyzer
- Network Analyzer
- Power Meter
- Freq. Meter
- Noise Figure

Overall Level

- Coaxial frequency up to 67 GHz, Waveguide frequency up to 750 GHz
- Max signal modulation bandwidth 2 GHz
- Max signal receiving analysis bandwidth up to 550 MHz
- Multi-port, large dynamic range network parameter test
- High power, 1W to 400W output level

COMMUNICATION TESTING INSTRUMENTS



Product

- Wireless/Mobile Comm Test
- Digital Comm Test
- Network Security Test

Overall Level

- 500 MHz radio communication test bandwidth, 100,000 times/s jump speed
- 10 Gbps data communication test speed (640 Gbps total bandwidth)
- Cover 2G-4G + communication test, offer total solution for chip/terminal/base station
- 5G large bandwidth waveform test, communication system modulation

COMMUNICATION TESTING INSTRUMENTS



5G Test

- 5G Verification: Communication system modulation, candidate waveform analysis
Frequency range: 24 GHz-30 GHz, 37 GHz-43 GHz, 57 GHz-66 GHz, 71 GHz-86 GHz
- RF bandwidth: 500 MHz

PROGRAMMABLE AC & DC POWER SUPPLY & DC ELECTRONIC LOADS

Power supplies and electronic loads are an important part of the automatic test equipment (ATE) system. APM has a rich product line of power supplies, electronic loads.

It is suitable for testing all kinds of AC and DC power supplies, chargers, communication power supplies, photovoltaic inverters, LED drive sources, on-board chargers and Suitable for testing in Various Industries like Automotive Electronics, Battery, Electromechanical Equipment, Semiconductor/IC, New Energy

SP-3U/6U Series Wide-range High-power Programmable DC Power Supply

Output Power Range
0~36000W

Output Voltage Range
0~2250V

Output Current Range
0~1200A



(3U)6000W~18000W



(6U)24000W~36000W

Output Voltage	3U			6U		
	6000W	12000W	18000W	24000W	30000W	36000W
80VDC	200A	400A	600A	800A	1000A	1200A
165VDC	*	180A	*	360A	*	540A
250VDC	*	*	180A	*	*	*
360VDC	42.5A	85A	127.5A	170A	212.5A	255A
500VDC	32A	64A	96A	128A	160A	192A
750VDC	21A	42A	63A	84A	105A	126A
1000VDC	*	32A	42.5A	64A	*	96A
1500VDC	*	21A	32A	42A	*	63A
2250VDC	*	*	21A	*	*	*

SP-300 Series Single-phase Programmable AC Power Supply

Output Power Range
0~5000W

Output Voltage Range
0~300V

Output Current Range
0~46A



(2U)600W~1500W



(3U)2000W



(4U)3000W~5000W

Output Voltage	2U			3U	4U		
	600W	1000W	1500W	2000W	3000W	4000W	5000W
150VAC/300VAC	5.6A/2.8A	9.2A/4.6A	13.8A/6.9A	16A/8A	27.6A/13.8A	32A/16A	46A/23A

- * When the frequency is below 200Hz, the output voltage can reach **320V** (only applicable to 3U and 4U models)
- * Support master-slave configuration to increase the output capacity to **20kW**

EL Series High-density Programmable DC Electronic Load

Output Power Range
0~27900W

Output Voltage Range
0~1200V

Output Current Range
0~2880A



(2U)600W~3000W



(3U)3400W~5600W



(4U)6600W~8100W



(7U)8800W~14700W



(10U)15400W~21300W



(13U)22000W~27900W

Input Voltage	2U					3U			4U		7U			
	600W	1200W	1800W	2400W	3000W	3400W	4400W	5600W	6600W	8100W	8800W	10300W	11000W	12500W
40VDC	*	*	*	*	*	620A	800A	1020A	1200A	*	*	*	*	*
200VDC	60A	130A	190A	260A	320A	370A	480A	610A	720A	720A	960A	960A	1200A	1200A
600VDC	40A	90A	130A	180A	220A	250A	320A	410A	480A	600A	640A	760A	800A	920A
1200VDC	*	45A	*	90A	*	125A	160A	205A	240A	*	320A	*	400A	*

Input Voltage	7U		10U						13U					
	13200W	14700W	15400W	16900W	17600W	19100W	19800W	21300W	22000W	23500W	24200W	25700W	26400W	27900W
200VDC	1440A	1440A	1680A	1680A	1920A	1920A	2160A	2160A	2400A	2400A	2640A	2640A	2880A	2880A
600VDC	960A	1080A	1120A	1240A	1280A	1400A	1400A	1560A	1600A	1720A	1760A	1880A	1920A	2040A
1200VDC	480A	*	560A	*	640A	*	720A	*	800A	*	880A	*	960A	*

- * Custom master slave system could extend to ELS Series(20 units 27.9kW E-load parallel connect).

Preen (AC Power Corp.) is a leader in power supply system and has been developing products based on the core technology of Power Conversion. With Product line of power supply, includes AC Power Source, DC Power Supplies, Power Supplies for Defense Industry, Renewable Energy Simulators, Line Conditioners.



Product Name	ADG-L Series Programmable DC Power Supply	ADG+Series High Power Programmable DC Power Supply	ADC Series Rack Mount DC Power Supply
Image			
Features	Programmable DC power supply with three different output power, 5kw, 10kw and 15 kw. Utilizing PWM technology.	An upgraded high power DC power supply of ADG series, ADG+series can simulate solar array with the optional I-V curve function.	DC power supply which has high power density, high accuracy and well around protection. Widely adopted in production lines, burn-in tests, laboratories and integrated systems.
DC Output Voltage	2000Vmax	2000Vmax	600Vmax
DC Output Current	675Amax	2500Amax	267Amax
Load Regulation	≤ 0.3%	≤ 0.3%	< 0.05%
Remote Interface	Standard: RS-232, RS-485, Ethernet, USB, Analog Option: GPIB	Standard: RS-232, RS-485, Analog Ethernet, USB, Option: GPIB	
Application	PV Inverter, EV, Renewable Energy, Motor & Compressor	PV Inverter, EV, Renewable Energy	EV, Industrial Power Supply, Aerospace & Defense

Professional EMC system Integrated solutions: ESD Generator, EFT/Burst Generator, Lighting Surge Generator, Voltage Dips Simulator & other EMC testing Equipment
Models available are :
ESD, EFT/burst and surge immunity test.
EFT/burst and surge immunity test.
ESD and surge immunity test.
ESD and EFT/burst immunity test.
All models are with built-in fully automatic coupling/decoupling network, full touch screen interface, with the same level performance of international brands



Surge Generator	Electrostatic Discharge Generator	EFT/Burst Generator	Voltage Dips Generator	Power Frequency Magnetic Field Generator
0.2~ 20 KV Models	<ul style="list-style-type: none"> 0.2~±20kV/ ±30kV models Meets IEC/EN 61000-4-2 & GB /T17626 2. RS 232/USB Port, PC control operation & printable Test Report 	0.2~±5kV/ ±6kV models Built in Coupling/Decoupling Network for 1 \$ & 3 \$ Mains supply Line <ul style="list-style-type: none"> Meets IEC/EN 61000-4-4 & GB /T17626 4 RS 232/USB Port, PC control operation & printable Test Report 	Voltage variation range : 0~120% Meets standards IEC 61000-4-11 and GB/T 17626.11. RS232/USB interface, PC control operation & printing test report	Magnetic field strength : 0A/m~1200A/m (continuously adjustable) Meets standard IEC 61000-4-8 and GB/T 17626.8. RS232/USB interface, PC control operation & printing test report

MICROTEST CORPORATION with the goal to provide customers with high precision and automatic measuring instruments and equipment in the vigorously growing electronics, information and communications industries based on our professional techniques
 Product Basket contains : Component Tester, Safety Testers, Transformer Testing Systems, Cable Harness Tester, Motor Testing Solutions, Automatic Testing Equipment, PCB Testing Equipments.



Selection Guide

	Impedance Analyzer	Model Name	Page	Frequency	Application
RD		6632-1/1S	p.12	10Hz-1MHz	Capacitor, Inductor, Resistor, Transformer, Ceramic resonator, Quartz Crystal, Diodes, Estimation on permittivity and consumption tangent of plastic, ceramic and PCB, Estimation of the impedance of PCB components
		6632-3/3S		10Hz-3MHz	
		6632-5/5S		10Hz-5MHz	
		6632-10/10S		10Hz-10MHz	
		6632-20/20S		10Hz-20MHz	
		6632-30/30S		10Hz-30MHz	
		6632-50/50S		10Hz-50MHz	
RD		Model Name	Page	Current	Application
		6225 + 6632	p.16	Max.20A	High current power inductor, common mode choke, mini molding choke, high power components of EV charging connector, lectric supercharger system
		6210 + 6632		Max.60A	
		6223 + 6632		Max.120A	
		6220 + 6632			
		6243 + 6632		Max.320A	
6240 + 6632					
Production Line		Model Name	Page	Frequency	Application
		6630-1	p.6	10Hz-1MHz	Capacitor, Inductor, Resistor, Transformer, Ceramic resonator, Quartz Crystal, Diodes, Estimation on permittivity and consumption tangent of plastic, ceramic and PCB, estimation of the impedance of PCB components
		6630-3		10Hz-3MHz	
		6630-5		10Hz-5MHz	
		6630-10		10Hz-10MHz	
		6630-20		10Hz-20MHz	
		6630-30		10Hz-30MHz	
	6630-50	10Hz-50MHz			
		Model Name	Page	Frequency	Application
		5265	p.34	10Hz-200kHz	Power transformer, Network communication transformer, electronic transformer
		5266		10Hz-500kHz	
	5267	10Hz-1MHz			
		Model Name	Page	Channel	Application
		6265+7721+7605	p.37	20	Power transformer, electronic transformer
		Model Name	Page	AC/DC	Application
		8761N	p.42	NA/50V-1000V	All kinds of wires, connectors and combined products of connectors and wires
		8761NA		100V-700V/50V-1000V	
		8761FA		100V-1000V/50V-1500V	
	8761NAC	100V-700V/50V-1000V			
		Model Name	Page	Channel	Application
		6910	p.53	8	Automotive motor, Fan motor, various stator and rotor coils
6913		13			
6917		17			
6920	p.55	24/48			
	Model Name	Page	Frequency	Application	
	6363	p.10	10Hz-20kHz	Resistance, Capacitance, Inductance, Oscillators, Sensors, Delay Line, Filters, Resonators, Speaker voice coil, headphone voice coil	
	6364		10Hz-100kHz		
	6365		10Hz-200kHz		
	6365A		0.1Hz-200kHz		
	6366		10Hz-500kHz		
6367	10Hz-1MHz				
	Model Name	Page	Channel	AC/DC	Application
	7630	p.23	2	ax.5000V/6000V	Transformers, motors, capacitors, inductors, wires and wave filters
	Model Name	Page	AC/DC	Application	
	8740N	p.48	NA/50V-1000V	All kinds of wires, connectors and combined products of connectors and wires	
	8740NA		100V-700V/50V-1000V		
	8740FA		100V-1000V/50V-1500V		
	8740NK		NA/50V-1000V		
8740NAK	100V-700V/50V-1000V				
IQC		Model Name	Page	AC/DC	Application
		8740N	p.48	NA/50V-1000V	All kinds of wires, connectors and combined products of connectors and wires
		8740NA		100V-700V/50V-1000V	
		8740FA		100V-1000V/50V-1500V	
		8740NK		NA/50V-1000V	
8740NAK	100V-700V/50V-1000V				

Product range Includes - Cable certifiers, Data Cable testers, cable verifiers, cable qualifiers, Fibre cable testers, Active Network testers, network transmission testers, PoE testers, CCTV testers, bandwidth testers, industrial ethernet testers, and more.

TREND Networks Product Catalog

Data Cable Testers



LanTEK IV-S

Cable certifier, compliant with ISO, TIA, international standards and etc, up to CAT8 cable certification.



LanTEK III 500MHz

Cable certifier, compliant with ISO, TIA, international standards and etc, up to CAT6A cable certification.



FiberMASTER

Quad OTDR, SM/MM, OTDR, PON OTDR, Power Meter and Light Source with video inspection probe, and visual fault locator.



FiberTEK IV

Tier 1 fiber certifier, including SM, MM modules.



VDV II Series

Coaxial, RJ11/12 cable, RJ45 cable verifier. Wiremap test and distance to open and short.



PoE Pro

PoE tester, compliant with IEEE802.3af/at/bt standards, detect power class from 0-8, max power up to 90W with all VDVII features.



SecuriTEST IP

CCTV verifier, support digital, analogue and IP cameras testing.



CCTV, Network, Industrial



SignalTEK 10G Series

10G transmission tester, qualify cable and link performance, have Ping/TraceRoute, NetScan, PoE+, cable S/N margin, Wiremap test features.



SignalTEK CT/NT

1G transmission tester, qualify copper cable, fiber and link performance at 1G speed, have Ping/TraceRoute, NetScan, PoE+, Wiremap test features.



LanXPLORER Pro

Network tester has wiremap, cable tracing with probe, NetMap, port info., Top 10 traffic monitor, VoIP calling monitor and QoS statistics. It has 2 electrical ports, 1 optical port, 1 WiFi port.



UniPRO MGig 1/SEL 1

1G Tester, qualify Network and Link performance. It has RFC2544, Y.1564, BERT, SLA test features. It has 2 electrical ports and 2 optical ports.



NaviTEK NT Series

Network tester has wiremap, cable tracing with probe, NetMap, port info., Top 10 traffic monitor, VoIP calling monitor and QoS statistics. It has 2 electrical ports, 1 optical port, 1 WiFi port.



NaviTEK IE

Industrial Ethernet tester supports Profinet and standard Ethernet. It can do Profinet NetScan, display devices status and detail information, configure the new device, 48 hours error monitor, compare test results to find out any changes in the networks. It has all NaviTEK NT Pro features as well.



ONE-STOP FOR EQUIPMENT CALIBRATION

APC Systems & Technologies Pvt. Ltd.

Your trusted Partner, ensures compliance and product reliability.
We specialize in providing comprehensive electro-technical testing services
to ensure compliance and safety.

Our Services:

- ◆ **Electro-Technical Testing:** Thorough testing of electrical products including household appliances, IT equipment, control and switchgears, and other Electro-Technical devices.
- ◆ Our testing services cover a broad spectrum of electrical products, including but not limited to:
 1. Medical Devices
 2. Industrial Machinery
 3. Consumer Electronics
 4. IT Equipments
 5. Automotive Components
 6. Household Appliances and Many more

IEC / BS EN / ISO / IS - 60204-1, 60601-1, 60335-1, 61010-1, 60950-1, 62040-1, 61439-1, 60127-1, 61557-1, 60227-1, 60974, 60227-2, 61869-1, 61558-1, 60044-8, 60598-1, 61347-1, 62040-1, 62477-1, 11197, 62109-1, and many more

Oscilloscopes/Differential Probes / Current Probes	Hipot Testers / Probes/ Meters	AC & DC Power Sources (Supplies)	Resistance Standards/ Decade	Multifunction Calibrators Process Calibrators
4½, 5½, 6½ Digit Digital Multimeters	Impedence Analyzers	Power Analyzers	Capacitance/ Inductance Standards	Power/Energy Calibrators
Signal & RF Generators	Battery Testers	AC & DC Electronic (RL) Loads	LCR Meters & Bridges	Loop Calibrator
Frequency Counters	Clamp meters	Single & Three Phase Power Meters	Insulation testers	Scope Calibrators
Spectrum Analyzers	EMC Testers /Surge/ESD/EFT	Leakage Current testers	Millohm & Microohm Meters	Network & Fibre Optics Testers/ Cable Certifiers

- ◆ **Compliance Assurance:** Ensuring your products meet relevant national and international regulations and standards relevant for CE MARK.
- ◆ **Timely and Reliable Results:** Efficient testing processes delivering accurate results.
- ◆ **Expert Team:** Experienced engineers and technicians with in-depth knowledge.

Services that we are providing to our customers:

- ◆ Measurement Uncertainty for Terst Document Support.
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- ◆ Test Facility for Testing & Developement
- ◆ Calibration & RF Related consultantation
- ◆ Onsite Application Support

We offer testing services in the following areas also:

- ◆ EMI & EMC Testing as per IEC 61000 series
- ◆ Safety of Machinery (IEC 60204)
- ◆ Testing of Electrical Equipment for Measurement, Control and Laboratory Use (IEC 61010)
- ◆ Testing of Network Testers & Information Technology Equipment (IEC 62368, 60950, IS 13252)
- ◆ Testing of Medical Electrical Equipment (IEC 60601-1 series, IS 13450)

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