scientific®

60 Years of Innovation

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

2026-27

Compact Catalogue

Reliable | Repeatable | Performance | Value

scientific®

Power Supplies



PSD3000 Series
0~30V DC / 0~5A DC
Upto 195W, Single/Dual/Multiple
Tracking Outputs



PSD3205X/3205X-2
0~32V DC / 0~5A DC
160W/320W, Single/Dual Output
Load & Line Regulation: 0.01%



PSD3210/3210-2
0~32V DC / 0~10A DC
320W/640W, Single/Dual Output
Load & Line Regulation: 0.01%



PSD4000 Series
0~32V DC / 0~3A DC
Single/Dual/Tripple Output
Load & Line Regulation: 0.01%

Programmable DC Power Supplies



PSD7000 Series:128W~220W
0~32V / 0~5A DC
Single / Multiple Output
Arbitrary Function



DCX200W/400W Series
0~600V / 0~40A DC, Multi Ranging
Master Slave, Arbitrary Function
Analog/Digital Remote Control,
Rack Mount, 2U,1/6th 19" Rack Size



ES150/300W Series
0-300V / 0-10A DC,
Arbitrary Function,
Analog/Digital Remote Control



SM800/1500W Series
0~400V / 0~100A DC, Auto Ranging
Master Slave, Arbitrary Function,
Analog/Digital Remote Control
Rack Mount, 2U



DCX800W Series
0~1000V / 0~80A DC, Multi Ranging
Master Slave, Arbitrary Function,
Analog/Digital Remote Control
Rack Mount, 1U



PS1600W Series
0~1000V / 0~200A DC
Master Slave, Arbitrary Function,
Analog/Digital Remote Control
Rack Mount, 1U



PS3400W Series
0~1000V / 0~100A DC
Master Slave, Arbitrary Function,
Analog/Digital Remote Control
Rack Mount, 2U



SM3300W Series
0~660V / 0~220A DC, Auto Ranging
Master Slave, Arbitrary Function,
Analog/Digital Remote Control
Rack Mount, 2U



PS Series: Upto 24kW
0~1500V / 0~1000A DC
Arbitrary Function
Analog/Digital Remote Control
Rack Mount, 6U



1.5kW~10kW
5~3000V DC / 1.5~250A DC
RS232, Isolated Analog, LXI
Rack Mount, 1U

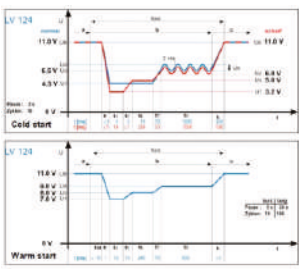


1.5kW~100kW
0~6000V / 0~8000A DC
RS232, Isolated Analog, LXI
Rack Mount, 1U~16U

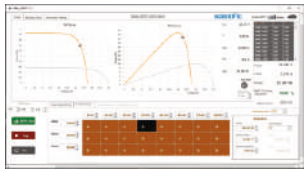


100kW~2000kW+
0~6000V / 0~24000A DC
RS232, Isolated Analog, LXI
Floor Standing Cabinet

Automotive Test as per LV124 & LV148



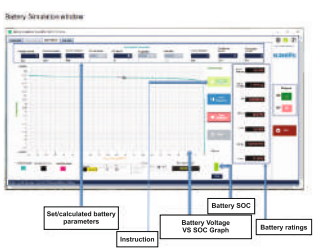
PV Solar Simulator Software



Battery Cycler Software



Battery Simulation Software



scientific®

Programmable Bi-Directional Regenerative DC Power Supplies

For Electrical & Hybrid Vehicles Testing



SMP Series
Voltage Range: 0~1000V
Current: ±360A
Wattage: 5kW to 15kW, upto 480kW



SMBD Series
Voltage Range: 0~1500V
Current: ±510A
Wattage: 5kW to 30kW, upto 480kW



SM6K & 15K Series
Voltage Range: 0~1500V
Current: ±450A
Wattage: 6kW & 15kW, upto 900kW

Programmable AC Power Sources



ACPS Series
Voltage : 150VAC / 300V AC
Current : upto 46A per phase
Frequency : 10Hz~1000Hz
Power : upto 22.5kW

DC Electronic Loads



SME1700+ Series
Power : 175W~350W
Voltage : 150/500Vdc
Current : 15/30/60Adc
RS232, RS485, USB/LAN



SME1900 Series
Modular Design - 2/5 Modules
Power : upto 2000W
Voltage : 0~80Vdc
Current : upto 400Adc



DL Series
Power : 600W~26.4kW
Voltage : 0~1200Vdc
Current : 0~2880Adc
RS232, RS485, USB/LAN



Alx Series
Power : 1.25kW~20kW
Voltage : 0~200 to 0~1000Vdc
Current : 0~15 to 0~1040Adc
RS232 and Ethernet

Regenerative Grid Emulators & Electronic Loads



GE+EL - AC&DC
7.5~1MVA+ / 6.75kW~1MW+
Max. Voltage : 300Vrms
Frequency : 10~1000Hz

Regenerative Electronic Loads



EL - AC & DC
5kVA, 10kVA, 15kVA, 22.5kVA
Max. Voltage : 300Vrms
Frequency : 40~200Hz

High Voltage Power Supplies



HVPS Series
Output Voltage : Upto 30kV
Output Current : Upto 120mA
Wattage : 1000W

High Voltage Power Supplies



SR Series
Output Voltage : 0~150kV
Wattage upto : 300W~300kW+

Magnet Power Supplies



Output Voltage upto 1000V DC
Current upto 20000A
Wattage 1MW+
Current Stability: 5ppm over 8 Hr

Bipolar DC Magnet Power Supplies



Power : Upto ± 750W
Voltage : Upto ± 40V
Current : Upto ± 18.75A
RS232, RS485, USB, LAN/Analog

Electron Beam Power Supplies



EB-M Series
Output Voltage : 0~45kV/60kV
Wattage upto 80kW+

Capacitor Charging Power Supplies



CCR Series
Output Voltage : 0~60kV
Wattage : 300J/S~300kJ/S+

scientific®

DSOs / MSOs



DSO: SMO502ED+/1002ED+
Upto 100MHz Dual Channel
RTS 1GSa/s, Memory 40Mpts
PC Interfacing Software



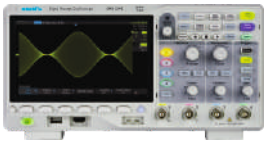
DSO: SMO1104U
100MHz, 4 Channel
RTS Upto 1GSa/s, Memory 14Mpts
PC Interfacing Software



DSO: SMO800X Series
Upto 250 MHz, 2/4 Channels
RTS upto 1.25GSa/s, Memory 50Mpts
Vertical Resolution : 12bit



DSO: SMO3000X Series
Upto 500MHz, 2/4 Channels
RTS 2.5GSa/s, Memory 100Mpts
Vertical Resolution : 12bit



DSO/MSO: SMO1000E Series
Upto 200MHz, 2/4 Channels
RTS 1GSa/s, Memory 14Mpts
Serial Decode/Trigger Function



DSO/MSO: SMO900X Series
Upto 250 MHz, 2/4 Channels
RTS upto 2GSa/s, Memory 100Mpts
Vertical Resolution : 12bit



DSO/MSO: SMO5000X Series
Upto 1GHz, 4 Channels
RTS 5GSa/s, Memory 250Mpts
PC Interfacing Software



Component Tester
Compatible with all DSOs / MSOs
Pattern : R, C, D, OC, SC, FET, ZD

Function Generators



Upto 5MHz, Upto 20Vpp
Internal Sweep Generator
Built in Frequency Counter

Arbitrary Waveform Generators



SMG Series
Upto 500MHz, 1/ 2 Channels
Sampling Rate upto 2.4GSa/s
16 bit Vertical Resolution

RF Signal Generators



Upto 3.2GHz
Sampling Rate upto 2.4GSa/s
Internal IQ Modulation
Output from -110dBm to +13dBm

RF Generator & Matching Networks



Power Level : upto 50kW
Frequency : 2MHz~100MHz
Serial & Analog Connector

Pulse/Delay Generators



2, 4 or 8 Independent Channels
250ps Resolution
Accuracy: 1 ns +.0001 x setpoint
Memory: 12 Storage Slots

Digital Multimeters



Bench Top 5½ & 6½ DMM
Programmable True RMS
240,000 & 2,200,000 Counts
PC Interfacing Software

Data Acquisition Multi Meter System



SME1454
6½ Digital Multi Meter
Maximum upto 160 Channels
5 slot main frame
Temperature acquisition supports

Digital Power Meters



SME1300 Series
No. of Channels 1/3/4
Voltage : 5V~600V,
Current : 5mA~40A,
AC, DC, Power, Harmonic Analysis

Source / Measure Units



Precision Source/Measure Unit
Output Voltage : ± 63V~ ± 210V
Output Current : 10nA ~ ± 10A
Current Resolution : 10fA

LCR Meters



Precision LCR Meters
L,C,R,|Z|,|Y|,X,B,G,D,Q,θ,DCR
Accuracy : 0.01%
Test freq : Upto 8.5MHz

Impedance Analyzers



SM6041
Cp/Cs, Lp/Ls, Rp/Rs, (Z), (Y),
R, X, G, B, θ, D, Q, Vac, Iac,
V_{DC}, I_{DC}, DCR
Test freq : 10Hz ~ 130MHz

DC BIAS Current Sources



SM6027B
Output Current : 0.1A~400A
Test freq : Upto 2MHz
Time : 10mS~3600S

scientific®

Hipot Testers



SME1130 Series
Output Voltage upto 10kV AC / 12kV
DC AC / OSC / DC / IR Tester,
Leakage Current : Upto 20mA



SME1110 / 1120 / 1190 Series
Output Voltage upto 5kV AC / 6kV DC
1 / 4 / 8 Channels, AC / DC / IR Tester,
Leakage Current : 10mA / 20mA /100mA

Impulse Winding Testers



SME1200 Series (1 / 4 / 8 Channels)
Impulse Voltage : 100V~10kV
Comparison Methods : 4
Sampling Rate : 40 / 100MSa/s

Multifunction Safety Compliance Analyzers



SME1180/1180S Series
O/P Voltage : 5.0kV AC / 6.0kV DC
Current Range : Upto 120mA
7 in 1 comprehensive test system

DC Resistance Meters



SME1400 Series
Range : 0.1μΩ~110MΩ
Accuracy : 0.01%
Temperature Compensation



SME1404 Series
Range : 10μΩ~200kΩ
Accuracy : 0.05%
Extendable upto 90 channels

Insulation Resistance Meters



SME1202/1204 Series
Test Voltage : 1V~1000V
Resistance : 100kΩ~10TΩ
Test Current : 1nA~1mA

High Resistance Meters



SME1290 Series
Test Voltage : 1 μV~20 V
Resistance : 10 PΩ
Test Current : 0.01 pA-20 mA

Semiconductor C-V Characteristic Analyzers



SME510 Series
Test Freq. : 10kHz~2MHz, 1/2 Ch
Gate voltage V_{GS} 0 - ±40V
Drain voltage V_{DS} 0 - Upto ±3000V

Battery Testers



SME1403 Series
R, V, R–V, Z– θ˚, Z–θr, L–Q, L–R,
R–X, R–Q, Accuracy : 0.1%
1kHz AC constant
Current source test

Automatic Transformer Testers



SME6030 Series
LCR + Transformer Test System
Test Frequency : 20Hz~200kHz
Accuracy : 0.1%

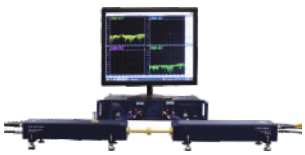


SM6029 Series
Test Frequency : Upto 1 Mhz
20 pin transformer scanning test +
LCR option
7-inch 16:9 TFT LCD display

Vector Network Analyzers



Cobalt Series
Freq. Range : 0.1MHz~20.0GHz
Two/Four Ports
Meas Speed : 10μs/point
Upto 500001 meas point per sweep



CobaltFET Extender Series
Freq. Range : 18GHz~330GHz
Two/Four Ports
Meas Speed: 10μs/point



Compact Series VNA
Freq. Range : 10MHz~44GHz
2 ports, Meas Speed : 22μs/point
Upto 500001 meas point per sweep



Multiport VNA
Freq. Range : 300kHz~9GHz
6, 8, 10, 12, 14 & 16 ports
Meas Speed : 24μs/point
Upto 500001 meas point per sweep



Compact VNA Series
Freq. Range : 9kHz~44GHz,
Two Ports
Meas Speed : 16μs/point
Upto 500001 meas point per sweep



1 Port VNA / Reflectometer
Freq. Range : 1MHz~18GHz
Single Port,
S_{11} as log magnitude DFT, Smith & more



Cobalt M Series
Freq. Range : 10MHz~40GHz
Two/Four Ports
Meas Speed : 10μs/point



Calibration Kits
Freq. Range: 9kHz~330GHz
-Mechanical
-ACM
-Waveguide

scientific®

Spectrum Analyzers / EMC Precompliance Setup



Spectrum & Vector Network Analyzers
9kHz to 7.5GHz -165dBm DANL
EMC Pre-compliance



LISN's
Upto 1500A,
9kHz to 30MHz/150MHz
CISPR16 / MIL461 / CISPR25



CM/DM Separator
Bandwidth : 9kHz-60MHz / 150kHz-108MHz
Max input power : +30dBm



Near Field Probe & Pre-amplifier
DC-6GHz, 20dB/40dB Gain

Safety Testers Impulse Testers as per IEC 62368-1



SMIMP10kV (Antenna Surge)
Impulse Voltage : 10kV
Compliant to IEC60950, 60065 & 62368-1
4MΩ load selector



SMIMP1.2x50-12kV
Impulse Voltage : 250V~12kV
Voltage Waveform : 1.2x50µs
Compliant to IEC60950, 62368-1 & ITU-T



SMIMP10x700-12kV
Impulse Voltage : 250V~12kV
Voltage Waveform : 10x700µs
Compliant to IEC60950, 62368-1

Ground Bond Testers



Output Voltage : 8V
Test Current : 1~45A
Ground Resistance : 0-600mΩ
Testing Time : Upto 999.9s

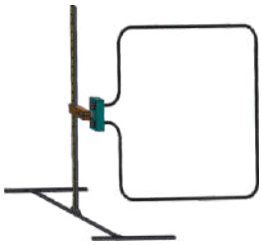
Automotive EMC Testing



Automotive Transient Pulses
- LV123
- LV124/LV148
- ISO 7637-2
- ISO 7637-4
  Pulse A
  Pulse B

PFMF Immunity Generator





SMPFMF-1000
Power Frequency Magnetic Field Simulator,
50/60 Hz sinusoidal Output, THID: < 5%,
Magnetic Single-turn coil, 1 A/m -100 A/m (continuous),
100 A/m - 1200 A/m (1 s -3 s in short time) as per IEC61000-4-8

2Ω ESD Target & Conical Adaptor



SMTGT-4-2
Measurement Resistor : 2Ω
Max. Discharge Voltage : Up to 30kV
Frequency Response : DC - 4GHz,
Standard : IEC61000-4-2 & ISO10605

EMI Receivers



EMI Receivers
Freq : 9kHz~3GHz
Full Compliance to CISPR16
6dB Bandwidth: 200Hz, 9kHz, 120kHz, 1MHz
Window 10 embedded OS



Digital Click Analyzer
Freq : 150kHz, 500kHz, 1.4MHz, 30MHz Full Compliance to CISPR16 4 Channels, each with Peak & Quasi Peak detector to perform according CISPR14-1
Window 10 embedded OS

Antennas



Horn Antenna
Freq. : upto 40GHz
Double Ridged Linear Polarized
Application: Emission measurement & Immunity Testing



Biconical Antenna
Freq : upto 1GHz
50 ohm connector
Application: Emission measurement & Immunity Testing

Line Impedance Stabilization Networks



Singe phase / 2 wire
16A~100A / 200A
As per CISPR 16-1-2
Freq: 9kHz~30MHz



Three phase / 4 wire
32A~400A
As per CISPR 16-1-2
Freq: 9kHz~30MHz



MIL / DO160 Standard
25A~1500A
As per MIL 461E/F, DO160
Freq: (9kHz)150kHz-30MHz(100MHz)



Automotive Standard
25A~800A
As per CISPR 25 /ISO7637
Freq: 100kHz~150MHz

Test Solutions for RF conducted Immunity



According to IEC / EN 61000-4-6,
ISO11452, CS114
Freq. Range : 10kHz~400MHz/1GHz/2GHz
with Power amplifier.
Extensive additions for immunity tests as
CDN, Current Clamps, EM Clamps etc.
devices are available.

Test Solutions for Harmonic & Flicker Measurement



Power Analyzer
4 Channels, DC up to 10 Mhz
bandwidth, 500µA to 32A / 3mV to
1000 V per channel, Compatible for
Harmonic & Flicker Measurement



Impedance Network
Single Phase/Three Phase, $270_{L\text{-}N}$
16/32/63Arms, As per IEC61000-3-2,
-3-3,-3-11,-3-12

Test Solutions for Non RF Conducted Immunity



Surge Generator
As per IEC 61000-4-5
Surge voltage pulse: 1.2/50µs
Amplitude : 10kV to 20kV
Surge Current Pulse : 8/20µs,
Amplitude : 5kA to 10kA
Builtin Single Phase or
Three Phase CDN upto 200A

Surge / Burst Generators



Surge Generator
As per IEC 61000-4-5, IEC 60
Surge voltage pulse: 1.2/50µs
Amplitude : upto 6kV
Surge Current Pulse : 8/20µs,
Amplitude : upto 3kA



Burst Generator
As per IEC61000-4-4
Burst voltage pulse: 5/50ns
upto 200kHz single spike to
continuous burst
Amplitude : upto 4.8kV
CDN upto 200A



ESD Simulator
Upto 16.5kV-30kV
Fixed & Changeable RC modules
For Commercial Automotive & MIL
Application (Automotive)



Voltage Interruption Simulator
Upto 75A / Phase
As per IEC61000-4-11, -4-29, -4-34
AC, AC/DC Interrupted in any phase for
a defined time Voltage dips between
rated & variable voltage

Standards Covered :

Emission:
IEC61000-6-3
IEC61000-6-4

Harmonic & Flicker
IEC61000-3-2
IEC61000-3-3
IEC61000-3-11
IEC61000-3-12

Immunity: Non RF
IEC61000-4-2
IEC61000-4-4
IEC61000-4-5
IEC61000-4-8
IEC61000-4-9
IEC61000-4-11
IEC61000-4-13
IEC61000-4-12
IEC61000-4-16
IEC61000-4-17
IEC61000-4-18
IEC61000-4-28
IEC61000-4-29
IEC61000-4-34
IEC61000-4-39

Immunity: RF
IEC61000-4-3
IEC61000-4-6

Military standards:
MIL461E/F
MIL704
DO160

Automotive standards:
CISPR25
ISO10605
ISO7637-2
ISO7637-3
ISO7637-4
ISO11452
LV123/124/148

EV Test Setup Range



Battery Tests
Electric Motor Tests
DC-DC Converter Test
On Board Charger Test
EVSE Charger Testing
Standards
- IEC61851-1
- IEC61851-23
- IEC 61851-21-1
- IEC61851-21-2
  & More

ESD Safe Industrial & Laboratory Work Benches



Automated Test Equipment



- Current Sensor Calibration
- Inverter Test Bench
- Endurance Testing
- Double Pulse Test
- DC - DC Converter Testing
- Energy Storage Test Systems
- Electro Pulsing
  & Custom Built

DSOs

Switchable Probes
x1/x10, x1/x100, upto 300MHz



High Voltage Probe
x1000, 40kV



Optical Differential Probe
100MHz ~ 1GHz / Upto 5000V



Active Probe
x10, 1.2GHz



Active Differential Probes
DC-200MHz / upto ± 7000V



50 Ω Termination



Power Supplies

Output Cables 20A ~ 200A



HV Probes



19" Rack Mount Kit



OR-ING Diode



Blocking Diode 50A ~ 600A



Rack & Integration 16U ~ 42U



LCR Meters

4 Terminal Kelvin Test Leads



4 Terminal Test Leads
for Transformer



SMD Test Fixture



4 Terminal Test Fixture



SMD Kelvin test tweezers



Dielectric Material Test Fixture



EMI/EMC Accessories

Attenuator for EFT Verification
50Ω
1000Ω



Leakage Current
Measuring Network



Current Monitoring Probe
for Transient Pulses



ESD Residual Charge
Removal Brush



Electrostatic Voltmeter upto 34kV



Coupling/Decoupling Network



- Microgrid Testing System
- Photovoltaic Simulation
- EVs Testing System
- Power Conversion Testing System
- Automotive Components Testing
- Electrical Safety Testing

scientiFic®

Scientific Mes-Technik Pvt. Ltd.,

B-14, Industrial Estate, Pologround, Indore 452 015, India

www.scientificindia.com

An ISO 9001:2015 Certified Company

Ahmedabad	gujarat@scientificindia.com	+917567463752	Kanpur	up@scientificindia.com	+919981329105
Bengaluru	bangalore@scientificindia.com	080-23452635	Kolkata	kolkata@scientificindia.com	+919630245852
Chennai	chennai@scientificindia.com	044-42054180	Mumbai	mumbai@scientificindia.com	+919850901735
Hyderabad	hyderabad@scientificindia.com	+917095228811	New Delhi	ndelhi@scientificindia.com	+919630245856
Indore	sales@scientificindia.com	0731-2422330-33	Pune	pune@scientificindia.com	+919603828884