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- Grid Simulation

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- EV Component Testing
- Environmental Chambers

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PRODUCT PORTFOLIO

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RIGOL

12-bit oscilloscopes

High-resolution DHO and mixed-signal MHO families: 70 MHz to 1 GHz.



DHO5000 series



MHO900 series



DHO900 series

Series	Bandwidth options	Analog / digital channels	Max. sample rate	Bits	Max. memory	Display
DHO800	70 / 100 MHz	2 / 4 | -	1.25 GSa/s	12-bit	25 Mpts	7 in.
DHO900	125 / 250 MHz	4 | 16	1.25 GSa/s	12-bit	50 Mpts	7 in.
MHO900	250 / 500 / 800 MHz	4 | 16	4 GSa/s	12-bit	500 Mpts*	7 in.
DHO1000	70 / 100 / 200 MHz	2 / 4 | -	2 GSa/s	12-bit	50 / 100 Mpts*	10.1 in.
MHO2000	200 / 350 MHz	4 | 16	2 GSa/s	12-bit	500 Mpts	10.1 in.
DHO4000	200 / 400 / 800 MHz	4 | -	4 GSa/s	12-bit	500 Mpts*	10.1 in.
DHO5000	500 MHz / 1 GHz	4 / 8 | -	4 GSa/s	12-bit	500 Mpts	10.1 in.
MHO5000	500 MHz / 1 GHz	4 / 6 | 16	4 GSa/s	12-bit	500 Mpts	10.1 in.

Series-level maxima; exact values depend on model and options. Analog and digital channel counts are separated by "|". * Optional memory depth. "-" = not available.

Built-in sources: MHO5000 (4 analog channels), 2-CH 50 MHz, 16-bit; MHO2000, 2-CH 50 MHz; MHO900, 2-CH 100 MHz; selected DHO900 variants, 1-CH 25 MHz.

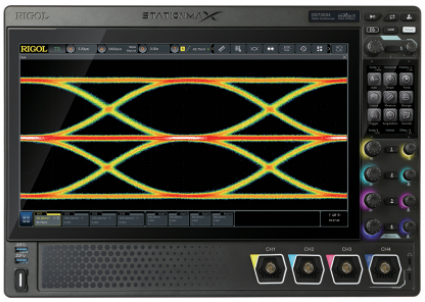
RIGOL

DS / MSO oscilloscopes

General-purpose, mixed-signal and high-bandwidth families: 50 MHz to 13 GHz.



DS80000 series



DS70000 series



DS8000-R series

Series	Bandwidth options	Analog / digital channels	Max. sample rate	Bits	Max. memory	Display
DS1000Z	50 / 70 / 100 / 200 MHz	2 / 4 | 0 / 16	1 GSa/s	8-bit	24 Mpts	7 in.
MSO5000	70 / 100 / 200 / 350 MHz	2 / 4 | 16	8 GSa/s	8-bit	200 Mpts*	9 in.
DS7000	100 / 200 / 350 / 500 MHz	4 | -	10 GSa/s	8-bit	500 Mpts*	10.1 in.
MSO7000	100 / 200 / 350 / 500 MHz	4 | 16	10 GSa/s	8-bit	500 Mpts*	10.1 in.
MSO8000A	600 / 750 MHz / 1 / 2 GHz	4 | 16	10 GSa/s	8-bit	500 Mpts	10.1 in.
DS8000-R	350 MHz / 1 / 2 GHz	4 | -	10 GSa/s	8-bit	500 Mpts	-
DS70000	3 / 5 GHz	4 | -	20 GSa/s	8-bit	2 Gpts*	15.6 in.
DS80000	5 / 6 / 8 / 13 GHz	4 | -	40 GSa/s	8-bit	4 Gpts*	15.6 in.

Series-level maxima; exact values depend on model and options. Analog and digital channel counts are separated by "|". * Optional memory depth. "-" = not available.

Selected MSO5000 2-channel models support an optional upgrade to 4 channels. Bandwidth upgrade by option is not supported for DS1000Z, DS8000-R, DS70000 or DS80000 in this guide.

WOCEN POWER

WB3000

High-frequency bidirectional DC test power supplies

A regenerative DC source for EV motors, motor controllers, powertrains, DC charging equipment and energy-storage converters. SiC power devices combine battery simulation, DC programming, electronic load operation and battery charging/discharging.



Complete model selection

Model	Voltage	Current	Power	W × H × D (mm)
WB3100-1200-300	12-1200 V	300 A	100 kW	900 × 2000 × 1080
WB3200-1200-600	12-1200 V	600 A	200 kW	900 × 2000 × 1080
WB3300-1200-900	12-1200 V	900 A	300 kW	900 × 2000 × 1080
WB3400-1200-1200	12-1200 V	1200 A	400 kW	1400 × 2000 × 1080
WB3500-1200-1200	12-1200 V	1200 A	500 kW	1400 × 2000 × 1080
WB3600-1200-1200	12-1200 V	1200 A	600 kW	1400 × 2000 × 1080

Electrical performance

Parameter	Specification
Voltage / current accuracy	±0.05% FS / ±0.05% FS
Response / switching time	2 ms / 4 ms
Voltage / current slew rate	200 V/ms / 300 A/ms
Voltage / current ripple	≤0.1% FS / ≤0.1% FS
AC input	3-phase 3-wire; 380 V ±15%; 47-63 Hz
Power factor / current distortion	≥0.99 / ≤3%
Efficiency	>95.5% (series feature claim)

Programming and system integration

CV, CC, CP and CR modes; five built-in battery chemistries and five user-defined curves. Configure series/parallel cell counts and initial SOC, store I-V curves and program voltage against time. Parallel operation supports higher-power test installations.

Interfaces, options and installation

RS485 standard; CAN and Ethernet optional. Options include load-end PDU, PDSB discharge protection, capacitor cabinet and online insulation monitoring. IP21 indoor enclosure, forced-air cooling, -10 to 40°C, 10-90% RH without condensation; altitude ≤2000 m.

WOCEN POWER

EVWS / EVWB / EVWBT

Battery simulators and dual-channel DC test supplies

EVWS/EVWB combines programmable DC output and regenerative energy flow for automotive test benches. EVWBT provides two independently adjustable DC outputs for loads at different voltage levels and internal energy circulation.



High-voltage model selection

EVWS/B model suffix*	Rated / peak power	Rated / peak current	Output
050-1000	50 / 75 kW	±200 / ±300 A	24-1000 V
080-1000	80 / 120 kW	±300 / ±450 A	24-1000 V
160-1000	160 / 208 kW	±500 / ±650 A	24-1000 V
200-1000	200 / 260 kW	±500 / ±650 A	24-1000 V
250-1000	250 / 325 kW	±600 / ±780 A	24-1000 V
300-1000	300 / 390 kW	±600 / ±780 A	24-1000 V
400-1000	400 / 520 kW	±800 / ±1040 A	24-1000 V
500-1000	500 / 650 kW	±1000 / ±1300 A	24-1000 V

Model naming and dual-channel selection

*Prefix the suffix with EVWS/B- as listed in the source (for example EVWS/B-050-1000). EVWBT uses the same listed suffixes, rated/peak power and current values. Confirm the required per-channel configuration when ordering. Optional voltage ranges: 24-800 V or 24-1200 V; current and peak power can be customized.

EVWBT operating characteristics

Parameter	Specification
Modes / response	CV, CC, CP / ≤3 ms (10-90% loading)
Output accuracy / ripple	≤±0.1% FS / ≤0.2% FS Vrms
Switching time	≤6 ms (+90% to -90%)
AC input	380 V ±10%; 3-phase 3-wire + PE; 50 Hz ±5 Hz
Power factor / harmonic content	≥0.99 / ≤3%
Efficiency / regeneration	>93%; supports full-scale power feedback
Control / installation	7-inch touchscreen; RS485, CAN, LAN; IP21

48 V battery simulator alternatives

Model	Voltage	Rated / peak power	Rated / peak current
EVWB-018-060	10-60 V	18 / 25 kW	±360 / ±500 A
EVWB-030-120	10-120 V	30 / 39 kW	±600 / ±780 A
EVWB-050-200	10-200 V	50 / 65 kW	±800 / ±1040 A

Battery simulation and applications

EVWS/EVWB provides five built-in chemistries, configurable series/parallel counts, SOC and I-V curve preview/storage. The 48 V models list a 60 s peak duration. Typical applications include EV motor, controller, powertrain, DC-DC and hybrid generator testing.

WOCEN POWER

HB SERIES

Bidirectional programmable rack DC supplies

A source and regenerative load in a 3U chassis, with auto-ranging constant-power output and feed capability.



Complete model selection - all listed models are 3U

Model	Voltage	Current	Power
HB-005-100-170	100 V	170 A	5 kW
HB-010-100-340	100 V	340 A	10 kW
HB-015-100-510	100 V	510 A	15 kW
HB-007-330-75	330 V	75 A	7 kW
HB-014-330-150	330 V	150 A	14 kW
HB-021-330-225	330 V	225 A	21 kW
HB-005-500-40	500 V	40 A	5 kW
HB-010-500-80	500 V	80 A	10 kW
HB-015-500-120	500 V	120 A	15 kW
HB-007-500-40	500 V	40 A	7 kW
HB-014-500-80	500 V	80 A	14 kW
HB-021-500-120	500 V	120 A	21 kW
HB-007-750-25	750 V	25 A	7 kW
HB-014-750-50	750 V	50 A	14 kW
HB-021-750-75	750 V	75 A	21 kW
HB-010-1000-40	1000 V	40 A	10 kW
HB-014-1000-40	1000 V	40 A	14 kW
HB-021-1000-75	1000 V	75 A	21 kW
HB-015-1500-40	1500 V	40 A	15 kW
HB-021-1500-40	1500 V	40 A	21 kW
HB-030-1500-80	1500 V	80 A	30 kW

Rack-system performance

Parameter	Specification
AC input	3-phase 3-wire + PE; 380/400/480 V; -10/+15%; 45-65 Hz
Voltage / current accuracy	≤0.1% Umax / ≤0.2% Imax
Transient recovery / ripple	<1.5 ms / <0.03% Vmax (parameter table)
Display / parallel operation	4.3-inch colour LCD; up to 10 master/slave units
Operating environment	0-40°C; <80% RH, without condensation

Waveforms, battery models and PV testing

Triangular, rectangular, trapezoidal, sine and step waveforms can be applied to voltage or current. Battery simulation supports chemistry, series/parallel cells and SOC. WOCEN POWER CONTROL supports I-V curve simulation and static/dynamic MPPT testing under the catalog’s EN50530/SANDIA reference.

Control and protection

Standard RS485/232, CAN and LAN; MODBUS-RTU, CAN2.0B and MODBUS-TCP. Includes remote voltage compensation and programmable protection for AC input, DC bus, temperature, output voltage/current and compensation faults.

WOCEN POWER

MP SERIES

Auto-ranging programmable DC test supplies

Programmable DC sources for laboratories, production lines, test benches and ATE integration.



Complete source model list

Model	Voltage	Current	Power	Height
MP-001.5-80	80 V	60 A	1.5 kW	2U
MP-003-80	80 V	120 A	3 kW	2U
MP-001.5-750	750 V	6 A	1.5 kW	2U
MP-003-750	750 V	12 A	3 kW	2U
MP-003-1500	1500 V	6 A	3 kW	2U
MP-005-80	80 V	170 A	5 kW	3U
MP-010-80	80 V	340 A	10 kW	3U
MP-015-80	80 V	510 A	15 kW	3U
MP-005-200	200 V	70 A	5 kW	3U
MP-010-200	200 V	140 A	10 kW	3U
MP-015-200	200 V	210 A	15 kW	3U
MP-005-360	360 V	40 A	5 kW	3U
MP-010-360	360 V	80 A	10 kW	3U
MP-015-360	360 V	120 A	15 kW	3U
MP-005-500	500 V	30 A	5 kW	3U
MP-010-500	500 V	60 A	10 kW	3U
MP-015-500	500 V	90 A	15 kW	3U
MP-005-750	750 V	20 A	5 kW	3U
MP-010-750	750 V	40 A	10 kW	3U
MP-015-750	750 V	60 A	15 kW	3U
MP-010-1000	1000 V	30 A	10 kW	3U
MP-015-1000	1000 V	40 A	15 kW	3U
MP-015-1500	1500 V	30 A	15 kW	3U
MP-015-1500	1500 V	40 A	15 kW	3U
MP-015-2250	2250 V	25 A	15 kW	3U

Model confirmation

The manufacturer table lists MP-015-1500 twice, with 30 A and 40 A ratings. Specify the required current and confirm the exact variant before ordering. Voltage, current and power limits are separate ratings; maximum voltage and current are not necessarily available simultaneously.

Performance and expansion

Parameter	Specification
Programming / measurement accuracy	Voltage ≤0.1% Umax; current ≤0.2% Imax
Load response / rise time	≤2 ms / 30 ms (10-90%)
Parallel capacity	Up to 10 units; series features list 150 kW and 5100 A
Control	CAN, RS485/232, LAN; USB and analog options
Protection / cooling	OVP adjustable to 110% Umax; temperature-controlled air cooling

Waveform programming and monitoring

Built-in arbitrary waveforms plus WOCEN POWER CONTROL for multi-device monitoring, start/stop, protection settings, 100-step waveform editing and data storage. Optional internal/external discharge module, up to 5 kW as listed in the series features.

WOCEN POWER

GP / WP SERIES

Regulated DC sources from bench to high power

DC supplies for motor and power-tool testing, automotive electronics, LEDs, laboratory systems and industrial production. Compact GP units provide programmable output; larger GP/WP cabinets support higher-power test benches.



Compact GP selection - 2U, 446 × 87 × 380 mm

Model	Voltage	Current	Power
GP-36100	36 V	100 A	3 kW
GP-3650	36 V	50 A	1.5 kW
GP-6060	60 V	60 A	3 kW
GP-6030	60 V	30 A	1.5 kW
GP-12030	120 V	30 A	3 kW
GP-12015	120 V	15 A	1.5 kW
GP-30012	300 V	12 A	3 kW
GP-3006	300 V	6 A	1.5 kW
GP-4008	400 V	8 A	3 kW
GP-4004	400 V	4 A	1.5 kW

Compact GP characteristics

Parameter	Specification
Input / display	Single-phase 220 V ±22 V, 47-63 Hz; 4.3-inch LCD
Voltage / current accuracy	≤0.1% Umax / ≤0.2% Imax
Response / efficiency	≤5 ms; ≥85%
Interfaces	RS485/RS232, LAN, CAN; USB / analog optional

Representative high-power GP models

Model	Voltage	Current	Power
GP-010-60	60 V	200 A	10 kW
GP-015-120	120 V	150 A	15 kW
GP-030-400	400 V	100 A	30 kW
GP-060-800	800 V	80 A	60 kW
GP-080-800	800 V	200 A	80 kW
GP-160-800	800 V	400 A	160 kW
GP-250-800	800 V	600 A	250 kW
GP-300-800	800 V	600 A	300 kW

High-power operation and EVWP discharge option

GP/WP (10-400 kW family heading) lists ≤0.5% FS output accuracy, ≤10 ms response, 380 V ±10% input and IP20 enclosure. RS485 standard; RS232/Ethernet optional. EVWP 30/60 kW variants add a discharge device rated at 10% of source power; confirm voltage/current configuration for the application.

WOCEN POWER

BP6 / BP7 SERIES

Programmable AC variable-frequency supplies

Single- and three-phase AC sources for appliance, motor and electrical-product testing. BP7 adds step, gradient and ladder programming plus harmonic waveforms and multiple output configurations.



Single-phase model selection

BP6 model	BP7 model	Power	Current low / high
BP6605	-	0.5 kVA	4.5 / 2.25 A
BP6001	-	1 kVA	9 / 4.5 A
BP6002	-	2 kVA	18 / 9 A
BP6003	-	3 kVA	27 / 13.5 A
BP6005	-	5 kVA	45 / 22.5 A
BP6010	BP7010	10 kVA	90 / 45 A
BP6015	BP7015	15 kVA	136 / 68 A
BP6020	BP7020	20 kVA	182 / 91 A
BP6030	BP7030	30 kVA	272 / 136 A
BP6045	BP7045	45 kVA	408 / 204 A
BP6060	BP7060	60 kVA	544 / 272 A

Three-phase model selection

BP6 model	BP7 model	Power	Current low / high
BP6315	BP7315	15 kVA	45 / 22.5 A
BP6330	BP7330	30 kVA	90 / 45 A
BP6345	BP7345	45 kVA	136 / 68 A
BP6360	BP7360	60 kVA	182 / 91 A
BP6390	BP7390	90 kVA	272 / 136 A
BP63120	BP73120	120 kVA	362 / 181 A
BP63150	BP73150	150 kVA	454 / 227 A
BP63180	BP73180	180 kVA	545 / 272 A
-	BP73240	240 kVA	724 / 362 A
-	BP73300	300 kVA	908 / 454 A

AC output and programming

Parameter	Specification
Voltage ranges	0-150 / 0-300 V phase; up to 520 V line (3-phase)
Frequency	BP6: 40-70 Hz; BP7 also lists 100/120/200/240 Hz fixed points
Voltage error / recovery	±(0.2% reading + 0.2% FS); ≤20 ms
Distortion	<1% at 220/110 V ±15%, resistive load
Control	RS232 standard; RS485 / network optional

Test functions

BP7 three-phase models support standard, parallel single-phase, American two-phase, independent and unbalanced modes, with 30 harmonic waveforms. BP6 three-phase programming supports 50 voltage/frequency groups and 60,000 cycles. BP6/BP7 three-phase overload reaches 200-300% for 2 s; BP6 single-phase overload limits differ.

WOCEN POWER

BPA / AP SERIES

High-power AC testing and shore power

BPA provides modular AC power for industrial charging equipment, central air-conditioning, compressors and motors. AP provides shore-based power for ports, shipbuilding, offshore platforms and large lifting machinery.



BPA industrial AC selection

Model	Rated power	Current	W × H × D (mm)
BPA-300	300 kVA	435 A	1700 × 1900 × 1050
BPA-400	400 kVA	579 A	2300 × 2000 × 1050
BPA-600	600 kVA	869 A	3200 × 1900 × 1050
BPA-800	800 kVA	1159 A	4500 × 1900 × 1200
BPA-1000	1000 kVA	1450 A	5000 × 1900 × 1200
BPA-1200	1200 kVA	1739 A	6500 × 1900 × 1200

BPA output and architecture

Listed models provide 0-300 V phase and 0-520 V line output. Digital closed-loop control, fibre-optic connection and modular construction support maintenance and high load capacity. The catalog describes technical capability up to 3000 kVA; configurations beyond the listed table require confirmation.

AP shore-power selection

Model	Rated / peak power	Rated / peak current
AP-200	200 / 300 kW	240 / 360 A
AP-400	400 / 600 kW	480 / 720 A
AP-600	600 / 900 kW	720 / 1080 A
AP-800	800 / 1200 kW	960 / 1440 A
AP-1000	1000 / 1500 kW	1200 / 1800 A
AP-1600	1600 / 2400 kW	1900 / 2850 A
AP-2000	2000 / 3000 kW	2400 / 3600 A
AP-2500	2500 / 3750 kW	3000 / 4500 A
AP-3000	3000 / 4500 kW	3600 / 5400 A

AP deployment and accessories

DSP control and line-voltage compensation support distant loads. Parallel modules allow fault-module withdrawal and partial-module operation under light load. Containers, cable-handling equipment and trolleys can be configured. The source describes input 6-10 kV / 50 Hz or 380 V / 50 Hz and output 440 V / 60 Hz; final site electrical requirements must be confirmed.

Protection and application planning

BPA includes short circuit, overcurrent, overheating, overload, undervoltage, overvoltage and phase-loss protection. AP is intended for high humidity, corrosion and impact loads. Specify installation environment, continuous/peak demand, input grid, output frequency and cable distance for project selection.

WOCEN POWER

EVWR / WBTS SERIES

Regenerative loads and battery PACK test systems

EVWR supports fuel-cell engines, DC-DC converters and charging-equipment endurance testing.



Representative EVWR model selection

Model	Voltage	Current	Power
EVWR-060-600-600	10-600 V	600 A	60 kW
EVWR-060-1000-1000	10-1000 V	1000 A	60 kW
EVWR-080-800-800	10-800 V	800 A	80 kW
EVWR-100-1000-1000	10-1000 V	1000 A	100 kW
EVWR-120-800-600	10-800 V	600 A	120 kW
EVWR-150-1000-800	10-1000 V	800 A	150 kW
EVWR-200-1000-1000	10-1000 V	1000 A	200 kW
EVWR-250-1000-1000	10-1000 V	1000 A	250 kW

EVWR performance

Parameter	Specification
Modes	Source: CV/CC/CP; load: CC/CR/CV/CP
Accuracy / resolution	Voltage ≤±0.05% FS, 0.01 V; current ≤±0.1% FS, 0.01 A
Response / efficiency	≤10 ms (10-90% loading); ≥93%
AC grid / interfaces	380 V ±10%, 50 Hz ±5 Hz; RS485/CAN; LAN optional
Regeneration	Full-power feedback; PF ≥0.99; current distortion <3%

WBTS model selection - standard 24-1000 V

Model	Power	Charge / discharge current
WBTS-050-1000	50 kW	±200 A
WBTS-080-1000	80 kW	±300 A
WBTS-160-1000	160 kW	±500 A
WBTS-200-1000	200 kW	±500 A
WBTS-250-1000	250 kW	±600 A
WBTS-300-1000	300 kW	±600 A
WBTS-400-1000	400 kW	±800 A
WBTS-500-1000	500 kW	±1000 A

WBTS performance and recording

Parameter	Specification
Voltage / current accuracy	±0.05% FS / ±0.05% FS
Sampling / response / conversion	16-bit A/D; ≤10 ms response; ≤20 ms conversion
Modes	CC/CV/CP/CCCV charge; CC/CP/CR/CV discharge
Cycle programming	1-65,535 cycles; 254 steps per loop; 3 nesting levels
Data and control	MySQL; TCP/IP; Excel/TXT/charts; RS485/LAN/CAN
Installation	IP21; forced air; -10 to 45°C; <90% RH, non-condensing

Battery testing and integration

Capacity, cycle life, rate capability, HPPC, efficiency, DC internal resistance and road-condition simulation. User-supplied CAN DBC supports BMS integration; combine with temperature chambers, vibration systems and voltage/temperature acquisition. Independent channels can be paralleled. Optional ranges include 24-800 V, 24-1200 V and 48-1500 V; channels and power can be customized.

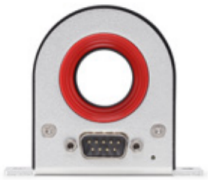
DANISENSE

DANISENSE

Precision Current Transducers







Parameter	DP12IP	DP50IP-B	DT50ID
Measuring range	18 A	18 / 36 / 72 A	75 A
Nominal AC current	12 A rms	12.5 / 25 / 50 A rms	50 A rms
Nominal DC current	12 A	50 A	50 A
Overload capacity (100 ms, non-measured)	-	25 / 50 / 100 A	250 A
Nominal secondary current	50 mA	50 mA	100 mA
Primary / secondary ratio	1:250	12.5 / 25 / 50 A*	1:500
Linearity error	10 ppm	10 ppm	1.5 ppm
Initial electrical offset	-	100 ppm	100 ppm
DC total accuracy	90 ppm	110 ppm	102 ppm
Offset temperature coefficient	1 ppm/°C	1 ppm/°C	0.8 ppm/°C
Offset stability over time	1 ppm/month	1 ppm/month	0.1 ppm/month
Bandwidth (-3 dB)	1 MHz	1 MHz	2 MHz
Operating temperature	0 to +55°C	0 to +55°C	-40 to +85°C
Power supply	±15 V ±5%; +42 / -28 mA	±15 V ±5%; +42 / -28 mA	±15 V ±5%; +40 / -35 mA
Aperture diameter	NR	NR	20.7 mm
Dimensions W × H × D (approx.)	65 × 32 × 60 mm	65 × 32 × 60 mm	76 × 64.5 × 35 mm
Connection	16-pin PCB	(2 × 8 pins)	DSUB 9-pin
Calibration / test winding	None	None	None
Weight (approx.)	250 g	250 g	150 g

*DP50IP-B ratio follows source. NR = not reported; dash = unspecified. Supply currents exclude secondary current.

DANISENSE

Current Transducers

Technical specifications



Parameter	DS50ID	DT100ID	DT200ID	DX200IH-CP01
Measuring range	150 A	150 A	285 A	220 A
Nominal AC current	50 A rms	100 A rms	200 A rms	140 A rms
Nominal DC current	75 A	100 A	200 A	200 A
Overload capacity (100 ms, non-measured)	1500 A	500 A	1000 A	1000 A
Nominal secondary current	150 mA	100 mA	200 mA	200 mA
Primary / secondary ratio	1:500	1:1000	1:1000	1:1000
Linearity error	1 ppm	1 ppm	1 ppm	6 ppm
Initial electrical offset	60 ppm	50 ppm	25 ppm	40 ppm
DC total accuracy	61 ppm	51 ppm	26 ppm	46 ppm
Offset temperature coefficient	0.4 ppm/°C	0.3 ppm/°C	0.2 ppm/°C	1 ppm/°C
Offset stability over time	0.4 ppm/month	0.1 ppm/month	0.1 ppm/month	0.1 ppm/month
Bandwidth (-3 dB)	1 MHz	2 MHz	2 MHz	300 MHz
Operating temperature	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +60°C
Power supply	±15 V ±5%; +40 / -35 mA	±15 V ±5%; +40 / -35 mA	±15 V ±5%; +104 / -96 mA	±15 V ±5%; +104 / -96 mA
Aperture diameter	27.6 mm	27.6 mm	20.7 mm	24.2 mm
Dimensions W × H × D (approx.)	121.4 × 107.5 × 44.5 mm	76 × 64.5 × 35 mm	76 × 64.5 × 35 mm	NR
Connection	DSUB 9-pin	DSUB 9-pin	DSUB 9-pin	Samtec SSW-107-01-G-S
Calibration / test winding	Optional	None	None	Optional
Weight (approx.)	600 g	150 g	150 g	600 g

DANISENSE

Current Transducers

Technical specifications



Parameter	DS200ID	DC200IF	DS300ID	DS400ID
Measuring range	370 A	330 A	500 A	600 A
Nominal AC current	200 A rms	200 A rms	300 A rms	400 A rms
Nominal DC current	300 A	300 A	450 A	600 A
Overload capacity (100 ms, non-measured)	1500 A	1000 A	1500 A	3000 A
Nominal secondary current	600 mA	300 mA	450 mA	300 mA
Primary / secondary ratio	1:500	1:1000	1:1000	1:2000
Linearity error	1 ppm	6 ppm	1 ppm	1 ppm
Initial electrical offset	15 ppm	15 ppm	14 ppm	9 ppm
DC total accuracy	16 ppm	21 ppm	15 ppm	10 ppm
Offset temperature coefficient	0.1 ppm/°C	2 ppm/°C	0.1 ppm/°C	0.1 ppm/°C
Offset stability over time	0.1 ppm/month	10 ppm/month	0.1 ppm/month	0.1 ppm/month
Bandwidth (-3 dB)	1 MHz	200 kHz	650 kHz	300 kHz
Operating temperature	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C
Power supply	±15 V ±5%; +104 / -96 mA	±15 V ±5%; +35 / -35 mA	±15 V ±5%; +104 / -96 mA	±15 V ±5%; +104 / -96 mA
Aperture diameter	27.6 mm	19.65 mm	27.6 mm	27.6 mm
Dimensions W × H × D (approx.)	121.4 × 107.5 × 44.5 mm	93.5 × 61.5 × 40 mm	121.4 × 107.5 × 44.5 mm	121.4 × 107.5 × 44.5 mm
Connection	DSUB 9-pin	6.3 × 0.8 mm fastons	DSUB 9-pin	DSUB 9-pin
Calibration / test winding	Optional	None	Optional	Optional
Weight (approx.)	600 g	250 g	600 g	600 g

DANISENSE

Current Transducers

Technical specifications

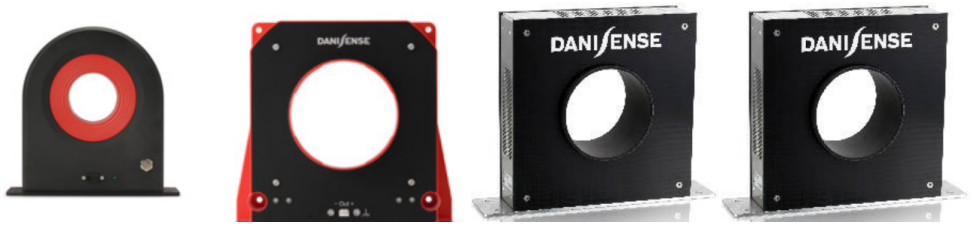


Parameter	DS600ID	DQ640ID-B	DN1000ID	DM1200ID
Measuring range	1000 A	640 A	1500 A	1800 A
Nominal AC current	600 A rms	28-452 A rms; 14 A steps	1000 A rms	1200 A rms
Nominal DC current	900 A	40-640 A; 20 A steps	1000 A	1500 A
Overload capacity (100 ms, non-measured)	4500 A	4500 A	5000 A	5000 A
Nominal secondary current	600 mA	1000 mA	667 mA	1000 mA
Primary / secondary ratio	1:1500	1:40 to 1:640; 20 A steps	1:1500	1:1500
Linearity error	1 ppm	3 ppm	1 ppm	1 ppm
Initial electrical offset	7 ppm	10 ppm	5 ppm	5 ppm
DC total accuracy	9 ppm	13 ppm	7 ppm	6 ppm
Offset temperature coefficient	0.1 ppm/°C	0.1 ppm/°C	0.1 ppm/°C	0.1 ppm/°C
Offset stability over time	0.1 ppm/month	0.1 ppm/month	0.1 ppm/month	0.1 ppm/month
Bandwidth (-3 dB)	450 kHz	300 kHz	400 kHz	400 kHz
Operating temperature	-40 to +85°C	0 to +55°C	-40 to +85°C	-40 to +85°C
Power supply	±15 V ±5%; +104 / -96 mA	±15 V ±5%; +105 / -96 mA	±15 V ±5%; ±81 mA	±15 V ±5%; +145 / -135 mA
Aperture diameter	27.6 mm	28.1 mm	41.2 mm	45 mm
Dimensions W × H × D (approx.)	121.4 × 107.5 × 44.5 mm	104 × 106 × 49 mm	132 × 112 × 44 mm	179 × 174 × 58 mm
Connection	DSUB 9-pin	DSUB 9-pin	DSUB 9-pin	DSUB 9-pin
Calibration / test winding	Optional	100 turns / 0.1 A	Optional	Optional
Weight (approx.)	600 g	600 g	800 g	1.8 kg

DANISENSE

Current Transducers

Technical specifications



Parameter	DL2000ID	MBC400OI	DR5000IM	DR10000IM
Measuring range	3000 A	7000 A	8000 A	11000 A
Nominal AC current	2000 A rms	4000 A rms	5000 A rms	7000 A rms
Nominal DC current	3000 A	4000 A	8000 A	10000 A
Overload capacity (100 ms, non-measured)	10000 A	20000 A	20000 A	20000 A
Nominal secondary current	2000 mA	6000 mA	3200 mA	4000 mA
Primary / secondary ratio	1:1500	-	1:2500	1:2500
Linearity error	1 ppm	100 ppm	1 ppm	1 ppm
Initial electrical offset	6 ppm	-	3 ppm	3 ppm
DC total accuracy	7 ppm	-	4 ppm	4 ppm
Offset temperature coefficient	0.1 ppm/°C	10 ppm*	0.1 ppm/°C	0.1 ppm/°C
Offset stability over time	0.1 ppm/month	-	0.1 ppm/month	0.1 ppm/month
Bandwidth (-3 dB)	300 kHz	100 kHz	80 kHz	80 kHz
Operating temperature	-40 to +65°C	-40 to +85°C	Head: 0 to +70°C; controller: 0 to +45°C	Head: 0 to +70°C; controller: 0 to +45°C
Power supply	±15 V ±5%; +185 / -170 mA	±15 V ±5%	100-240 V AC, 50/60 Hz; or 127-417 V DC	100-240 V AC, 50/60 Hz; or 127-417 V DC
Aperture diameter	68 mm	121 mm	150 mm	140 mm
Dimensions W × H × D (approx.)	240 × 230 × 87 mm	255 × 238 × 89 mm	Head: 420 × 325 × 122 mm; controller: 483 × 88.1 × 241 mm	Head: 420 × 325 × 122 mm; controller: 483 × 88.1 × 241 mm
Connection	DSUB 9-pin	3-pin JST S3P-VH	Banana plugs	Banana plugs
Calibration / test winding	Optional	Optional	Optional	Optional
Weight (approx.)	5.7 kg	4.1 kg	Head: 17 kg; controller: 6 kg	Head: 19 kg; controller: 6 kg

*MBC400OI offset temperature coefficient: 10 ppm as printed; no per-degree unit is stated in the source.

DANISENSE

Residual Current Monitors

Technical specifications





Parameter	RCM	SRCM
Model	RCMH070IB+	SRCMH0701B+
Measuring range	0-2 A	0-2 A
Measurement class	Type B/B+; AC and DC	Type B/B+; AC and DC
Frequency capability	Up to 100 kHz	Up to 100 kHz
TRMS output	4-20 mA DC	4-20 mA DC
Automatic setup	Frequency range and integration time	Frequency range and integration time
TRMS in frequency ranges	Yes	Yes
Residual-current scope	No	Yes
Residual-current FFT	No	Yes
Remote settings: RC limit, frequency range, integration time	No	Yes
TRMS log / relay-status log / data export	No	Yes
Aperture diameter	70 mm	70 mm

SALUKI + CORECH

RF & microwave instruments

Essential technical specifications; ranges vary by model and configuration.

SALUKI TECHNOLOGY



Spectrum & Signal Analyzers

- Selected platforms: 2 Hz to 50 GHz; coaxial systems up to 110 GHz; external extension up to 750 GHz.
- Analysis bandwidth up to 1.2 GHz on selected models; S4082V built-in analysis bandwidth up to 2 GHz.
- Displayed average noise level down to -165 dBm at 1 Hz RBW on selected spectrum analyzer models.

CORECH



RF / Microwave Signal Generators

- CSG series frequency coverage: 9 kHz to 20 GHz / 40 GHz.
- Output level approximately -120 dBm to +17 dBm; frequency resolution 0.001 Hz.
- Supports pulse and sweep functions; OCXO reference for frequency stability.
- Corech CAMS series supports AM, FM, PM and pulse modulation.

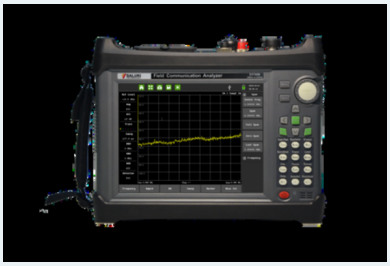
SALUKI TECHNOLOGY



Vector Network Analyzers

- S3674 family: 500 Hz to maximum 110 GHz with multiple model configurations.
- Dynamic range up to 131 dB at 20 GHz on selected configuration.
- Supports S-parameter, mixer/converter, gain compression, noise figure and spectrum functions.
- 2-port / 4-port configurations; additional VNA families cover 4.5, 9, 20, 43.5 GHz and higher.

SALUKI TECHNOLOGY



Cable & Antenna / Field Analyzers

- S5700 cable/antenna measurement: 2 MHz to 4.4 / 6 GHz; spectrum: 9 kHz to 4.4 / 6 GHz.
- S5080: 5 kHz to 8 GHz integrated spectrum, VNA, antenna/feeder, power and interference functions.
- S5105 multifunction microwave analyzer covers 30 kHz to 40 GHz.
- Selected systems support GPS/BeiDou and wireless communication signal analysis.

SALUKI + CORECH

Specialized RF measurement

Essential technical specifications; ranges vary by model and configuration.

SALUKI TECHNOLOGY



Microwave Power Meter & Sensors

- S2438/S2439D systems: 9 kHz to 500 GHz depending on connected sensor.
- Dynamic range up to approximately 90 dB depending on sensor configuration.
- Peak sensors support detailed pulse parameters; S2439D supports up to four USB sensors.
- USB power sensors: selected models up to 67 GHz with measurement speeds up to 50,000 readings/s.

SALUKI TECHNOLOGY



Noise Figure Analyzer

- S3986 frequency range: 10 MHz to 50 GHz; extendable to 110 GHz.
- Supports amplifier and up/down-converter noise figure measurements.
- Supports SSB / DSB measurement modes and loss compensation.

SALUKI TECHNOLOGY



RF Record & Playback System

- SARP-6 frequency range: 1 MHz to 6 GHz.
- Acquisition and playback bandwidth up to 500 MHz.
- Supports analysis workflow compatibility with Tektronix SignalVu software.

SALUKI TECHNOLOGY



Calibration Kits & ECal Modules

- Mechanical calibration kits available from DC to 40 / 50 / 67 GHz depending on connector family.
- 1.85 mm calibration kits provide broadband coverage to 67 GHz.
- Electronic calibration modules shown from 300 kHz to 18 GHz and 10 MHz to 26.5 GHz.
- ECal modules are compatible with Saluki VNAs and specified Keysight ENA/PNA series.

SALUKI + CORECH

RF & microwave components

Essential technical specifications; ranges vary by model and configuration.

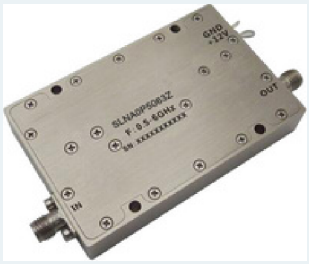
CORECH



RF Power Amplifiers

- Corech RF power amplifier families cover approximately 0.1 to 52 GHz.
- Output power options extend up to 100 W depending on frequency band and model.
- CW and pulse operation with SMA, 2.92 mm, 2.4 mm and waveguide interface options.

CORECH



Low Noise Amplifiers

- Corech LNA families cover approximately 1 kHz to 67 GHz.
- Noise figure options as low as approximately 0.8 dB depending on design.
- Standard and custom configurations available for different gain, bandwidth and interface needs.

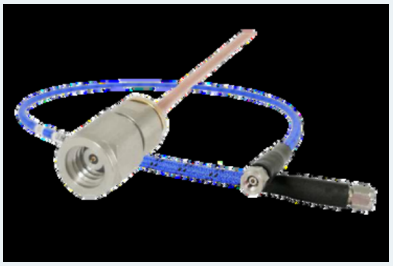
CORECH



Dividers, Couplers & Filters

- Power divider families: DC to 67 GHz; 2-way through 32-way configurations.
- Directional couplers: approximately 0.02 to 67 GHz with coupling options from 5 to 50 dB.
- Hybrid couplers: approximately 0.01 to 67 GHz; 90° / 180° configurations.
- Filter families include LPF, BPF, HPF, diplexer and triplexer technologies.

CORECH



RF Switches & Step Attenuators

- RF switch families cover approximately 1 kHz to 67 GHz with SPST through SP16T configurations.
- PIN-diode switching speeds in the 10 to 100 ns range depending on design.
- Programmable step attenuator families extend from DC to 50 GHz.
- Attenuation ranges up to 115 dB with 1 / 5 / 10 dB step options in Corech families.

SALUKI + CORECH

RF accessories & interconnect

Essential technical specifications; ranges vary by model and configuration.

SALUKI TECHNOLOGY



1 mm High-Frequency Test Cables

- Frequency coverage: DC to 110 GHz.
- 50 ohm impedance; maximum VSWR stated as 1.45:1 for the 1 mm test cable family.
- Semi-rigid and armored flexible cable options.
- Precision 1.0 mm stainless-steel connectors for high-frequency system and instrument interconnection.

SALUKI TECHNOLOGY



RF Test Cable Assemblies

- Flexible RF test cable assemblies cover DC to 110 GHz depending on connector type.
- Connector families include N, SMA, 3.5 mm, 2.92 mm, 2.4 mm, 1.85 mm and 1.0 mm.
- Selected phase/amplitude stable families cover DC to 26.5 / 40 / 50 GHz.
- Armored and flexible constructions available for laboratory and production environments.

SALUKI TECHNOLOGY



VNA Calibration & Test Accessories

- Mechanical calibration families shown to 67 GHz.
- Calibration kit connector families include 2.92 mm, 2.4 mm and 1.85 mm.
- Connector gauge kits support Type N, 3.5 / 2.92 mm and 2.4 / 1.85 mm interfaces.
- Torque wrenches support controlled connector tightening for repeatable RF measurements.

SALUKI TECHNOLOGY



Adapters, Loads & Antennas

- Test-port adapters extend to 67 GHz depending on connector family.
- Coaxial loads cover DC to 67 GHz on selected families with multiple power ratings.
- VNA phase-stable cable assemblies available with ruggedized NMD and Type N connectors.
- Antenna range includes horn, directional and omnidirectional models for field and laboratory RF work.

TEST & MEASUREMENT ACCESSORIES

Probes & banana plugs

Pin, solder and safety connections; laboratory banana plug variants.

Probe / clip
20.131



Pin connection; PA; brass; Au plated; 300 VAC / 600 VDC; 2 A.

Probe / clip
20.132



Pin connection; PA; brass; Au plated; 300 VAC / 600 VDC; 2 A.

Probe / clip
20.135



Solder connection; PA; brass; Au plated; 300 VAC / 600 VDC; 10 A.

Probe / clip
20.165



4 mm socket; PA; stainless steel / brass; CAT II 600 V; 1 A.

Probe / clip
20.172



4 mm socket; PA; brass / stainless steel; CAT II 1000 V; 10 A.

Probe / clip
20.175



4 mm socket; spring wire; PA; CAT II 1000 V; 10 A.

Probe / clip
20.211



4 mm sockets both ends; PA; brass; CAT II 1000 V; 20 A.

Probe / clip
20.212



Spring side / shrink tube; PA; brass; CAT II 1000 V; 20 A.

Banana plug
25.436



PVC ; brass; beryllium-copper spring; gold plated; 30 VAC / 60 VDC; 24 A.

Banana plug
25.452



PA ; brass; beryllium-copper spring; nickel plated; 30 VAC / 60 VDC; 32 A.

Banana plug
25.440



PA ; brass; beryllium-copper spring: nickel plated; CAT II 600 V; 32 A.

Banana plug
25.454



PA ; brass; beryllium-copper spring: nickel plated; CAT II 600 V; 32 A.

Banana plug
25.450



PA ; brass; beryllium-copper spring; nickel plated; CAT II 600 V; 32 A.

Banana plug
25.455



PA ; brass; beryllium-copper spring; nickel plated; CAT II 600 V; 32 A.

Banana plug
25.451



PA ; brass; beryllium-copper spring: nickel plated; CAT II 600 V; 32 A.

Banana plug
25.500



PA ; brass; beryllium-copper spring: nickel plated; CAT II 600 V; 32 A.

Banana plug
25.501



PA ; brass; beryllium-copper spring; nickel plated; CAT II 600 V; 32 A.

Banana plug
25.505



PA ; brass; nickel plated ; CAT II 600 V; 19 A.

Banana plug
25.502



PA ; brass; beryllium-copper spring: nickel plated; CAT II 600 V; 32 A.

Banana plug
10.011



ABS ; brass; gold plated ; 30 VAC / 60 VDC; 32 A.

Banana plug
25.503



PA ; brass; beryllium-copper spring; nickel plated; CAT II 600 V; 32 A.

Banana plug
10.012



ABS ; steel; gold plated finish: 30 VAC / 60 VDC; 32 A.

Banana plug
25.504



PA ; brass; beryllium-copper spring: nickel plated; CAT II 1000 V; 32 A.

TEST & MEASUREMENT ACCESSORIES

Sockets, posts & test leads

Panel connections, laboratory leads and insulated safety lead variants.

Panel socket
24.246



ABS ; brass; nickel plated ; 30 VAC / 60 VDC; 24 A.

Panel socket
24.249



PA ; brass; nickel plated ; 30 VAC / 60 VDC; 24 A.

Panel socket
24.242



ABS ; brass; nickel plated ; 30 VAC / 60 VDC; 24 A.

Panel socket
24.260



PA ; brass; nickel plated ; CAT II 1000 V; 32 A.

Binding post
24.821



ABS ; brass: nickel plated ; 30 VAC / 60 VDC; 24 A.

Binding post
24.826



ABS ; brass; nickel plated ; 30 VAC / 60 VDC; 19 A.

Binding post
24.822



ABS ; brass; nickel plated ; 30 VAC / 60 VDC; 24 A.

Binding post
24.827



ABS ; brass; nickel plated ; 30 VAC / 60 VDC; 24 A.

Binding post
24.824



ABS ; brass; nickel plated; 30 VAC / 60 VDC; 24 A.

Binding post
24.828



ABS ; brass; nickel plated; 30 VAC / 60 VDC; 24 A.

Binding post
24.825



ABS ; brass; nickel plated; 30 VAC / 60 VDC; 24 A.

Binding post
24.829



PA ; brass; nickel plated; 30 VAC / 60 VDC; 24 A.

Test lead
22.030 / 22.040



2 mm; gold plated plugs; 30 VAC / 60 VDC; 10 A; 0.50 mm² PVC or SIL cable.

Test lead
22.050 / 22.060



2 mm; stackable gold plugs; 30 VAC / 60 VDC; 10 A; 0.50 mm² cable.

Test lead
22.090 / 22.091



4 mm; stackable nickel plugs; 30 VAC / 60 VDC; 10 A; 0.75 mm² cable.

Test lead
22.100 / 22.111



4 mm; stackable nickel plugs; 30 VAC / 60 VDC; 15 A; 0.75 or 1.0 mm² cable.

Test lead
22.120 / 22.121



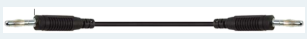
4 mm; stackable gold plugs; 30 VAC / 60 VDC; 19 A; 1.0 mm² cable.

Test lead
22.162 / 22.171 / 22.172



4 mm; injected stackable plug; 30 VAC / 60 VDC; 15-32 A; 0.75-2.5 mm² cable.

Test lead
22.190 / 22.201



4 mm; nickel plugs; 30 VAC / 60 VDC; 15 A; 0.75 mm².

Test lead
22.210



4 mm; straight / safety angled plug; CAT II 1000 V; 15 A.

Test lead
22.241



4 mm; straight / safety angled plug; CAT II 1000 V; 15 A; 0.75 mm² PVC.

Test lead
22.380 / 22.391 / 22.401



4 mm; safety stackable plugs / cap; CAT II 600 V; 19-32 A; 1.0-2.5 mm².

Test lead
22.270 / 22.290



4 mm; safety angled / straight plug; CAT II 1000 V; 16-32 A; 0.75-2.5 mm².

Test lead
22.300 / 22.321



4 mm; straight safety plugs; CAT II 1000 V; 15-32 A; 0.75-2.5 mm².

Test lead
22.420 / 22.421



4 mm; straight safety plugs; CAT II 600 V / CAT II 1000 V; 19-32 A.

Test lead
22.440 / 22.451 / 22.470



4 mm; stackable plugs; 30 VAC / 60 VDC; 15-32 A; 1.0-2.5 mm².

Test lead
22.460 / 22.461



4 mm; safety stackable plugs; CAT II 1000 V; 19-32 A: 1.0-2.5 mm².

Test lead
22.480 / 22.500



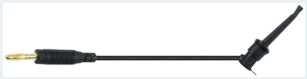
4 mm; injected stackable plugs; 30 VAC / 60 VDC; 15-32 A; 0.75-2.5 mm.

TEST & MEASUREMENT ACCESSORIES

BNC adapters & crocodile clips

Special lead configurations, BNC breakouts and clip selections.

Test lead
22.510 / 22.520



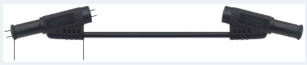
4 mm lead; 45° stackable plug / straight plug; 30 VAC / 60 VDC; 15 A; 0.75 mm².

Test lead
22.570 / 22.580



4 mm lead; stackable plug / safety crocodile clip; 30 VAC / 60 VDC; 15 A.

Test lead
22.900 / 22.901



4 mm lead; insulated stackable plugs / red cap; CAT II 1000 V; 15 A; 0.75 mm².

BNC adapter
21.010



4 mm straight safety plugs; flexible RG58/60 cable; CAT II 600 V; CAT II 150 V/3 A.

BNC adapter
21.020



4 mm stackable safety plugs: flexible RG58/60 cable; CAT II 600 V;CAT II 150 V / 3 A.

BNC adapter
21.030



4 mm stackable plugs; flexible RG58/60 cable: CAT II 600 V; CAT II 150 V / 3 A.

BNC adapter
21.040



4 mm test clips; flexible RG58/60 cable; CAT II 600 V; CAT II 150 V / 3 A.

Crocodile clip
27.256



PA ; brass; nickel plated ; 30 VAC / 60 VDC; 10 A.

Crocodile clip
27.260



PA ; brass; nickel plated ; CAT II 1000 V; 16 A.

Crocodile clip
27.257



PA ; brass; nickel plated ; 30 VAC / 60 VDC; 16 A.

Crocodile clip
27.261



PA ; brass; nickel plated ; CAT II 1000 V; 32 A.

Crocodile clip
27.258



PA ; brass; nickel plated ; CAT II 300 V; 16 A.

Crocodile clip
27.262



PA ; brass; nickel plated ; CAT II 1000 V; 32 A.

Crocodile clip
27.259



ABS ; brass; nickel plated ; 30 VAC / 60 VDC; 19 A.

Crocodile clip
27.263



PA ; brass; nickel plated ; CAT II 1000 V; 32 A.

TEST & MEASUREMENT ACCESSORIES

Clips, cable & test kits

Additional clip variants, cable construction and pre-configured kits.

Cable	Cross-section	Outer diameter	Rating
PVC	0.5 mm² / 20 AWG	2.3 mm	1500 V / 10 A
PVC	0.75 mm² / 18 AWG	2.8 mm	1500 V / 15 A
PVC	1.0 mm² / 17 AWG	3.9 mm	1500 V / 19 A
PVC	2.5 mm² / 13 AWG	3.9 mm	1500 V / 32 A
SIL	0.35-6.0 mm²	1.7-6.7 mm	1500 V / 7-165 A

Crocodile clip
27.704



PVC ; brass; nickel plated finish.

Crocodile clip
27.716



Steel body; nickel plated ; 10 A.

Crocodile clip
27.710 / 27.711 / 27.712



PVC ; steel: nickel plated ; multiple jaw sizes.

Crocodile clip
27.717



ABS ; steel; nickel plated finish.

Crocodile clip
27.714



PVC ; steel; nickel plated finish.

Crocodile clip
27.718



PVC ; steel; nickel plated finish.

Crocodile clip
27.715



ABS ; steel; nickel plated finish.

Crocodile clip
27.719



ABS ; steel; nickel plated finish.

Crocodile clip
27.720



PVC ; steel; nickel plated.

Crocodile clip
27.722



PVC ; steel; nickel plated. Max 30 A.

Crocodile clip
27.723



PVC ; steel; nickel plated. Max 30 A.

Crocodile clip
27.211



PVC ; steel; nickel plated. Max 50 A.

Test kit
33.110



4 mm safety leads, probes and crocodile clips. Kit contents vary by model.

Test kit
33.120



4 mm safety leads, probes and crocodile clips. Kit contents vary by model.

Test kit
33.130



4 mm safety leads, probes and crocodile clips. Kit contents vary by model.

Test kit
33.140



4 mm safety leads, probes and crocodile clips. Kit contents vary by model.

Test kit
33.150



4 mm safety leads, probes and crocodile clips. Kit contents vary by model.

Test kit
33.310



4 mm leads, probes, crocodile clips and test clips; supplied in tool bag.

Test kit
33.320



4 mm leads, probes, clips and connecting plugs; supplied in tool bag.

NAVIGATOR TECHNOLOGIES

Customized engineering

Electrical automation, connected systems and embedded electronics.

Custom electrical panels, embedded electronics and software integration for industry, infrastructure and research applications.

01

Automation & control

Electrical automation and control systems; IoT-enabled STP and ETP panels.

02

Transport & infrastructure

Smart traffic signals; RTO test-track circuit boards; passenger information and announcement systems.

03

Research & measurement

Customized test and measurement instruments for R&D; RF ancillary circuits and embedded electronics.

04

Data & industrial software

Industrial and environmental data loggers; software for productivity and analytics.

AUTOMATION | DATA ACQUISITION | EMBEDDED SYSTEMS | CUSTOM ENGINEERING

SUPER SCIENTIFIC INSTRUMENTS

SCIENCE | TECHNOLOGY | SOLUTIONS



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- Freezers
- Balances
- And More...

BATTERY TESTING SOLUTIONS



- Cell Testers
- Battery Cyclers
- Formation & Aging Systems
- BMS Test Solutions
- And More...

SCIENTIFIC & RESEARCH INSTRUMENTS



- Spectroscopy
- Chromatography
- Material Characterisation
- And More...

TEST & MEASUREMENT INSTRUMENTS



- Power Supplies
- Oscilloscopes
- Spectrum Analysers
- Multimeters
- Data Loggers
- Signal Generators
- And More...

SOLDERING & WORKSTATION SOLUTIONS



- Soldering Stations
- Hot Air Rework Stations
- Soldering Tips & Accessories
- ESD Safe Solutions
- And More...

INDUSTRIAL & R&D SOLUTIONS



- Environmental Chambers
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