

Multifunction Calibrator

1. 5502A Multi-Product Calibrator

The 5502A Multi-Product Calibrator replaces the 5500A and addresses common workload items like 3.5 and 4.5 digit digital multimeters and more.

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➤ Key Features

The 5502A calibrator covers many of the most common items in your workload, including:

- Handheld and bench meters (analog and digital) to 4.5 digits
- Current clamps and clamp meters
- Panel meters
- Electronic thermometers
- Chart recorders
- Oscilloscope recorders
- XY recorders
- Data loggers

Summary Specifications	
Function & range	
Direct volts	0 to ± 1020 V
Direct current	0 to 20.5 A
Alternating volts	1 mV to 1020 V 10 Hz to 500 kHz
Volt*Hertz	1000 V@ 10 kHz/330 V@100 kHz
Alternating current	29 μ A to 20.5 A 10 Hz to 30 kHz
Waveforms	Sine, square, triangle, truncated sine
Resistance	0 Ω to 1100 M Ω

Capacitance	220 pF to 110 mF
Power (phantom loads)	20.9 kW
Phase control	0.01°
Thermocouple (source and measure temperature)	B, C, E, J, K L N R, S, T, U 10 μ V/°C and 1 mV/degC
RTD (source temperature)	Pt 385-100 Ω , Pt 3926-100 Ω Pt 3916-100 Ω , Pt 385-200 Ω , Pt 385-500 Ω , Pt385 1000 Ω , PtNi 385-120 Ω , (Ni120), Cu 427 10 Ω
Interfaces	RS-232, IEEE 488
Frequency uncertainty	<25 ppm
Calibration Documentation	17025 accredited report of calibration included
Oscilloscope calibrator (optional)	Levelled sine wave from 5 mV to 5.5 Vpp max, frequencies 50 kHz to 600 kHz; edge rise times of < 300 ps, multiple trigger functions, lowest dc, square wave and timing uncertainty
Current boost transconductance amplifier	0 to 100 A dc, 0 to 120 A ac, dc to 10 kHz, up to 6000 A with accessory current coils