5520A High Performance Multi-Product Calibrators

Technical Specifications		
Voltage DC	Range: Best 1 Year Specification:	0 to ±1020V ±12 ppm of setting
Current DC	Range: Best 1 Year Specification:	0 to ±20.5A ±100 ppm of setting
Resistance	Range: Best 1 Year Specification:	0 to 1100 MΩ ±28 ppm of setting
Voltage AC	Range: Best 1 Year Specification:	1 mV to 1020V 10 Hz to 500 kHz, Sine ±120 ppm of setting
Current AC	Range: Best 1 Year Specification:	29 mA to 20.5A 10 Hz to 30 kHz, Sine ±0.06% of setting
Capacitance	Range: Best 1 Year Specification:	0.19 nF to 110 mF ±0.25% of setting
Thermocouple Source and Measure	Range: Best 1 Year Specification:	-250°C to +2316°C (11 types) ± 0.14°C of setting
RTD Source	Range: Best 1 Year Specification:	-200°C to +630°C (8 types) ±0.03°C of setting
DC Power	Range: Best 1 Year Specification:	10.9 μW to 20.5 kW ±0.023% of setting
AC Power	Range: Best 1 Year Specification:	10.9 μW to 20.5 kW 45-65 Hz, PF=1 ±0.08% of setting
Phase	Range: Best 1 Year Specification:	0 to ± 179.99° 10 Hz to 30 kHz ±0.07° of setting
Frequency	Range: Best 1 Year Specification:	0.01 Hz to 2.0 MHz ±25 ppm of setting

General Specifications		
Warm up Time	Twice the time since last warmed up, to a maximum of 30 minutes	
Settling Time	Less than 5 seconds for all functions and ranges except as noted	
Standard Interfaces	IEEE-488 (GPIB), RS-232	
Temperature Performance	Operating: 0°C to 50°C Calibration (tcal): 15°C to 35°C Storage: -20°C to 70°C	
Temperature Coefficient	Temperature coefficient for temperatures outside tcal ± 5°C is 10% of the 90-day specification (or 1-year, as applicable) per °C	
Relative Humidity	Operating: <80% to 30°C, <70% to 40°C, <40% to 50°C Storage: <95%, non-condensing	
Altitude	Operating: 3,050m (10,000 ft) maximum Non-operating: 12,200m (40,000 ft) maximum	
Safety	12,200m (40,000 ft) maximum	
Analog Low Isolation	20V	
EMC	Designed to comply with IEC 61326-1/1997	
Line Power	Line Voltage (selectable): 100V, 120V, 220V, 240V Line Frequency: 47 to 63 Hz Line Voltage Variation: + 10% about line voltage setting	
Power Consumption	600 VA	

Dimensions	Height: 17.8 cm (7 in), standard rack increment, plus 1.5 cm (0.6 in) for feet on bottom of unit Width: 43.2 cm (17 in), standard rack width Depth: 47.3 cm (18.6 in) overall	
Weight (without options)	22 kg (49 lbs.)	
Absolute Uncertainty Definition	5500A and 5520A uncertainty specifications include stability, temperature coefficient, linearity, line and load regulation, and the traceability of the external standards used for calibration. You do not need to add anything to determine the total uncertainty of your calibrator for the temperature range indicated.	
Specification Confidence Interval	> 99%	