

MODEL 1000B

Programmable DC Source



- 0 to 110V
- Stability < 1ppm for 8 hours
- Absolute accuracy < 40 ppm
- Noise < 10 μ V

MODEL INFORMATION

The Model 1000B was developed as a low drift, stable, low noise 110-Volt programmable DC source for use with the Model 6000B HighResistance Bridge. The 1000B output is protected against accidental shorting and will not energize if voltage is detected on the output terminals. Revised software is included for the 6000B to fully automate the voltage testpoints and also includes a calibration routine designed specifically for the 1000B using only an 8.5 digit DMM.

Range	Resolution	Noise	8 hour Stability	Accuracy
0-200 mV	0.1 μ V	1.3 μ V	< 5 ppm	40 ppm
0.2-2 V	1 μ V	4 μ V	< 2 ppm	40 ppm
2-20 V	10 μ V	20 μ V	< 1 ppm	40 ppm
20-110V	100 μ V	100 μ V	< 1 ppm	40 ppm
Performance specifications relative to setpoint				
Warm Up Time		20 Minutes		
Operating Power		110, 120, 220, 240V - 50/60 Hz		
Operating Environment		18 to 30° C, 10 to 80% RH		
Dimensions		133 x 450 x 305 mm		
Product weight		12 kg		
Shipping Weight		15kg		
Warranty		3 Years (Parts & Labor)		

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Data Subject to Change - Rev. 0

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