

2000A

Precision Current Shunt



PRECISION CURRENT SHUNT



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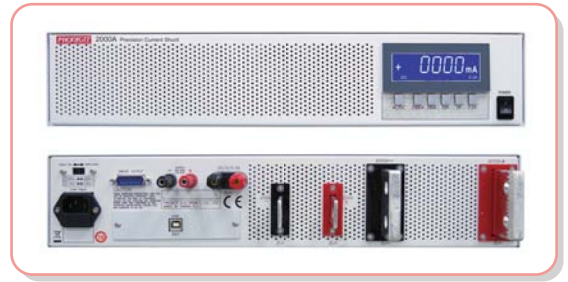
2000A Precision Current Shunt



Lab Current Standard
1uA-2000A Current Range

AC & DC Current Shunt
AC & DC Current Meter

Input terminals can be placed in the rear panel (option)



Features

- 0.01% High Accuracy
- 5 1/2 Digit AC & DC Current Meter
- Built-in Over Current Protection
- Less than 10ppm / ° C (Range 2000A : less than 100ppm °C)
- High Stability & Reliability
- [Input terminals can be placed in the rear panel \(option\)](#)
- Optional Interface : GPIB 、 RS232 、 USB 、 LAN.

Descriptions

- Model 2000A has five precision selectable Ultra stable Current Shunts which ranges from 1Ω, 0.1Ω, 0.01Ω, 0.001Ω, and 0.00001Ω. The Shunt T/C is less than 10ppm, and the internal current meter will measure from 1μA to 2000Amps.
- The five shunts selector and internal 5 1/2 Digit AC & DC Current Meter displays the respective shunt current. Connect an external DVM into output (with 5 1/2 digit higher) will increase both resolution and current reading accuracy.
- The current ranges and read back current values can be set by the optional interface.

Applications

- AC & DC Current Meter
- AC & DC Current Sensor
- AC & DC Power Supply
- AC & DC Electronic Load
- AC & DC Power Meter

Specifications

Range	Shunt Value	DC Accuracy		* AC Accuracy	Max input DC/AC rms	Output Voltage
		Typ.	Max.			
2000 A	0.00001Ω	0.15% of (Reading + Range)	0.3% of (Reading + Range)	0.4% of (Reading + Range)	2000 A	2000A / 0.02V
200 A	0.001 Ω	0.02 % of Reading	0.04 % of Reading	0.10 % of Reading	250 A	200A / 0.2V
20 A	0.01 Ω	0.01 % of Reading	0.02 % of Reading	0.10 % of Reading	30 A	20A / 0.2V
2 A	0.1 Ω	0.01 % of Reading	0.02 % of Reading	0.10 % of Reading	4 A	2A / 0.2V
0.2 A	1 Ω	0.01 % of Reading	0.02 % of Reading	0.10 % of Reading	0.4 A	0.2A / 0.2V

All Shunt types are 4 terminal networks with calibration adjustments for each network.

5 1/2 Digit Ampere Meter

Range	Resolution	* DC		* AC
		Accuracy ± % of (reading + Range)		
		Typ.	Max.	
2000 A	0.01 A / 0.1A	0.2+0.2	0.4+0.4	0.5+0.4
200 A	0.001 A / 0.01A	0.04+0.01	0.08+0.01	0.5+0.05
20 A	0.0001 A / 0.001A	0.02+0.01	0.04+0.01	0.5+0.05
2 A	0.01mA / 0.1mA	0.02+0.01	0.04+0.01	0.5+0.05
0.2 A	0.001mA / 0.01mA	0.02+0.01	0.04+0.01	0.5+0.05

Temperature Range : 0 to 40°C : All specification apply for 23°C±2°C.
 * The above specifications are only applicable after 30 minutes of power on.
 Temperature coefficient :
 Range 0.2A 、 2A Less than 0.001% per °C (20 °C - 40 °C)
 Range 20A Less than 0.002% per °C (20 °C - 40 °C)
 Range 200A Less than 0.003% per °C (20 °C - 40 °C)
 Range 2000A Less than 0.01% per °C (20 °C - 40 °C)

* AC Input : Frequency 50/60 Hz
 Range 0.2A 、 2A 、 20A 、 200A ≥ 5% of Range
 Range 2000A ≥ 10% of Range
 AC Power : 115/230 Vac ±10%, 50/60Hz switchable
 Cooling : Force Fan Cooled
 Weight : 18.5kg
 Dimension : 440(W) x 88.9(H) x 410(D)mm

Order Information

- ▶ **2000A** Precision Current Shunt
 - ▶ **2000A-R** Precision Current Shunt (Rear Input)
- Optional interface : ① GPIB Card ② RS232 Card ③ USB Card ④ LAN Card