

# 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