

# 1000A

## Precision Current Shunt



PRECISION CURRENT SHUNT



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# 1000A Precision Current Shunt



Lab Current Standard  
1uA-1000A 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 1000A : less than 50ppm °C)
- High Stability & Reliability
- **Input terminals can be placed in the rear panel (option)**
- Optional Interface : GPIB 、 RS232 、 USB 、 LAN.

## Descriptions

- Model 1000A has five precision selectable Ultra stable Current Shunts which ranges from 0.0001 to 1Ω. The Shunt T/C is less than 10ppm, and the internal current meter will measure from 1μA to 1000Amps.
- 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.

## 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.				
1000 A	0.0001 Ω	0.02% of Reading + 0.01% of Range	0.05% of Reading + 0.05% of Range	50~200Hz	0.1% (Reading+Range)	1000 A	1000A / 0.1V
				201~300Hz	0.2% (Reading+Range)		
				301~400Hz	0.4% (Reading+Range)		
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.		
1000 A	0.01 A	0.04+0.02	0.1+0.05	50~200 Hz	0.5+0.1
				201~300 Hz	0.5+0.2
				301~400 Hz	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.

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 1000A Less than 0.005% per °C ( 20 °C - 40 °C)

\* AC Input : Range 0.2A 、 2A 、 20A 、 200A ≥ 5% of Range  
Range 1000A ≥ 10% of Range

AC Power : 115/230 Vac ±10%, 50/60Hz switchable

Cooling : Force Fan Cooled

Weight : 13.5kg

Dimension : 440(W) x 88.9(H) x 410(D)mm

## Order Information

► **1000A** Precision Current Shunt

► **1000A-R** Precision Current Shunt ( Rear Input )

Optional interface : ① GPIB Card ② RS232 Card ③ USB Card ④ LAN Card