

P8

AC Current Probe

The P8 is an affordable & durable mini current probe for measurements to 10A AC. This current probe uses a special magnetic core to provide higher accuracy and lower phase shift. The P8 Series AC current probe is a cheap probe to be used in power and low level current measurement applications.

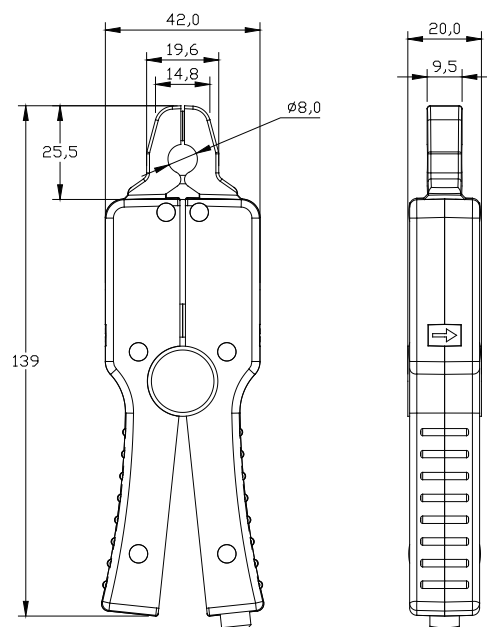
Applications

1. Power quality measuring
2. Measuring around cable bundles
3. Power load monitoring
4. Waveform analysis
5. Energy meter calibrato
6. Phase angle meter
7. Measuring in breaker panels
8. HVAC
9. Data logging/recording



Features

1. Measurement range of 1mA to 20A AC
2. Improved ergonomic design and easy operation
3. High content nickel metal core
4. Low phase shift for power measurement
5. Small, compact size
6. Jaw opening accommodates conductors up to 8mm diameter
7. Designed for DMMs, loggers, recorders and oscilloscopes
8. 40Hz to 2kHz response
9. 1mA/A AC output signals
10. Designed to EN 61010, 600V CAT III safety standard
11. UL, CE mark



Parameters

Electrical parameters

Ratio	2500: 1, 2000:1 or 1000:1 (customized)
Accuracy class	0.2%, 0.5%
Phase shift	<10'

Phase shift	0 - 10A AC
Secondary current	0 - 10mA AC (customized)
Secondary voltage	0.25V, 0.5V AC
Max. Cont. Input current	20A
Load capacity	≤4Ω
Over voltage category	CAT III 600V
Output signal (AC current)	From 0 to 10mA AC at nominal input current
Output signal (AC voltage)	From 0 to 0.5V AC at nominal input current
Frequency range	40Hz-2000Hz
Dielectric strength	3KV 50Hz/60Hz at 1minute
Temperature range	-20°C to +55°C
Output	2.5 meter cable with D01 connector
Max. voltage not insulated conductors	720 V
Standard	EN 61010-1, EN 61010-2-032, IEC60044-1
Installation	clamp type
Output mode	lead output(2.5m)

Mechanical parameters

Dimensions (L x W x H) (mm)	42× 139 × 20
Weight (g)	180
Holding wire diameter (mm)	φ8
Max. jaw opening (mm)	8
Color	Black
Material	PC+ABS+Polycarbonate, UL94 V0