

Q13

Low current CE 100A/100mA Split Core AC Current Probe

The Q13 is a high accuracy mini probe for measurements to 120A AC. This current probe uses a special magnetic core to provide higher accuracy and lower phase shift. The Q13 Series is an excellent probe to be used in power and low level current measurement applications.

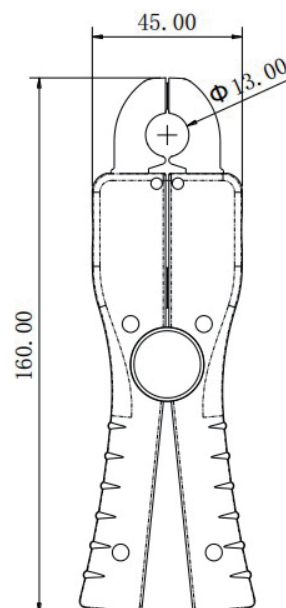


Applications

1. Power quality measuring
2. Measuring around cable bundles
3. Power load monitoring
4. Waveform analysis
5. Energy meter calibrator
6. Measuring in breaker panels
7. HVAC
8. Residential and commercial sites
9. Data logging/recording

Features

1. Measurement range of 1mA to 120A 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 13mm diameter
7. Designed for DMMs, loggers, recorders and oscilloscopes
8. 40Hz to 10kHz response
9. 1mA/A AC output signals
10. Designed to EN 61010, 600V CAT III safety standard
11. UL, CE mark



Unit:mm

Parameters

Electrical parameters

Ratio	1000: 1 or 2000:1 (customized)
Accuracy class	0.1%, 0.2%
Primary current	0 - 100A AC
Secondary current	0 - 100mA AC (customized)
Max. Cont. Input current	120A
Over voltage category	CAT III 600V
Output signal (AC current)	100mA AC at nominal input current

Electrical parameters - continued

Output signal (AC voltage)	100mV, 1V AC at nominal input current
Frequency range	40Hz-2000Hz
Dielectric strength	3KV 50Hz/60Hz at 1 minute
Temperature range	-20°C to +55°C
Output	2.5 meter cable with D01 connector
Max. voltage not insulated conductors	600 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)	45 x 160 x 25
Weight (g)	300
Holding wire diameter (mm)	φ13
Max. jaw opening (mm)	13
Color	Black
Material	PC+ABS+Polycarbonate, UL94 V0