

Q8A2

High Sensitivity Permalloy Core AC Current Clamp

The model Q8A2 permalloy core current clamp with high accuracy up to 0.1% has been designed for use with multimeters, recorders, power analysers, safety testers etc.

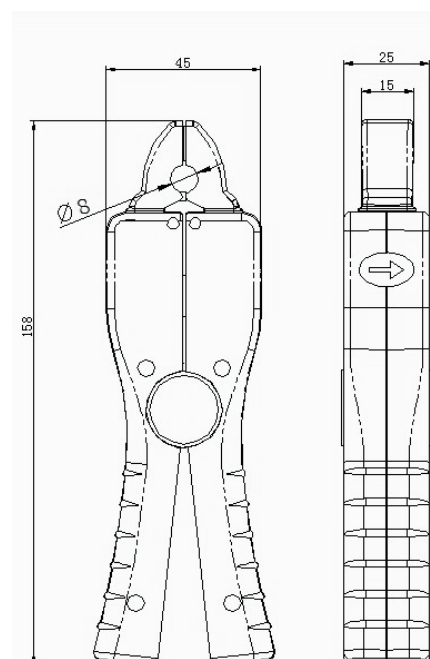


Applications

1. Electric energy meter calibrator (on site)
2. Double clamp type ground resistance tester
3. Double clamp type phase volt-ampere meter
4. Digital multi-meter
5. Multi-function energy meter
6. Oscilloscope
7. Power quality analyzer
8. Matched instruments
9. Calibration instrument on site

Features

1. Measurement range of 1mA to 10A AC
2. Small, compact size
3. Improved ergonomic design and easy operation
4. Low phase shift for power measurement
5. With load capacity $\leq 4\Omega$
6. Output model: Lead output(2.5m)



Unit:mm

Parameters

Electrical parameters

Ratio	1000: 1 or 2000:1 (customized)
Accuracy	0.1 %,0.2%
Primary current	0 - 10A AC
Secondary current	0 - 10mA AC or 0 - 100mV AC (customized)
Max. Cont. Input current	12A
Over voltage category	CAT III 600V
Output signal (AC current)	From 0 to 10mA AC at nominal input current

Electrical parameters - continued

Output signal (AC voltage)	From 0 to 100mV 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)	45x158x25
Weight (g)	250
Holding wire diameter (mm)	φ8
Max. jaw opening (mm)	8
Color	Black
Material	PC+ABS+Polycarbonate, UL94 V0