HQ15 5A 100A

HIGH-VALUE VOLTAGE OUTPUT AC CURRENT CLAMP SENSOR

The HQ15 AC Current Probe is designed for easy installed in tight spaces and without the need for dismantling the primary busbar or cables. The sensing head uses sliding push-fit clamp structure, safety isolation to avoid the user to contact with charged objects directly. It complies with CE standards and meets 300V CAT III safety class.

Applications

1. Power quality monitoring
2. CT secondary current detection
3. Smart logger
4. Distributed measurement systems

Features

1. Flexible and light weights, exquisite appearance
2. Easy &quick installation in tight spaces
3. Excellent linearity
4. Maximum measuring current up to 130A

Parameters

Electrical parameters		
Model	HQ15-A5	HQ15-A100
Rated primary current	5A AC	100A AC
Output Voltage	10 mV AC/A	1mV AC/A
Maximum input current	50A AC (Continuous)	130A AC (Continuous)
	(45-66Hz,Ambient temp.50°C)	
Amplitude accuracy	±0.3%RD±0.02%FS (10%-100%I1n), 45Hz- 66Hz)	
Phase accuracy	±2° (10%-100%I1n)(45Hz-5kHZ)	
The amplitude frequency characteristic	±0.1% (45Hz-5kHZ)(Deviation accuracy)	
Conductor impact	±0.5 (Off-center)	
The influence of external lectromagnetic fields	≤0.1A (In AC 400A / m electromagnetic fields)	
Temperature Coefficient	±0.02%/°C of the reading data	
Dielectric strength	3000 V AC rms/Continue 15 seconds(Circuits-iron core, iron core-shell)	
The maximum rated voltage	300V AC rms	
Applicable Standards	Safety: EN61010-2-032:2002,300V CAT III, Contamination II EMC: EN61326:1997+A1:1998+A2:2001+A3:2003(Class A)	

Mechanical parameters

Measurable conductor diameter	Max.15mm
Cable length	About 3 m
Dimension (W x H x D)	About 46×135×21 (Excluding protruding parts)
Weight	About 230g

Environmental conditions

Operating temperature	0 to 50°C (32-122°F)
Operating humidity	≤80%RH(No condensate)
Storage temperature	-10 to 60°C (14-140°F)
Storage humidity	≤80%RH(No condensate)
Operating environment	Indoor, altitude up to 2000 meters