



## Current Probe H32.UE 1000A / 1V

The H32.UE 1000A / 1V current probe has been designed for use with multimeters, recorders, power analysers, safety testers etc. for accurate non intrusive measurement of AC current. Using the latest transformer technology, the H32.UE 1000A / 1V can measure currents from 10 A to 1200 A over a frequency range of 30Hz to 10kHz.



### Electrical Characteristics

Current Range  $I_N$ .....: 1000  $A_{RMS}$   
Measuring Range.....: 10 A to 1200  $A_{RMS}$   
Output Sensitivity.....: 1 mV / A  
Load Impedance.....:  $\geq 100 \text{ k}\Omega$   
Conductor Position Sensitivity.....: 0.5% @ 50Hz  
Error due to adjacent conductor.....:  $\leq 6\text{mA} / A$  @ 50 Hz  
Phase Shift at 2 kHz @ 10A.....: 3°  
Frequency Range.....: 30 Hz to 10 kHz  
Temperature Coefficient.....: 0.01% / °C  
Working Voltage (see Safety Standards section).....: 600 V  $AC_{RMS}$  or DC  
Common Mode Voltage.....: 600  $V_{RMS}$  between output and ground

### Accuracy

| Primary current   | 10 to 30A | 30 to 100A | 100 to 1000A |
|-------------------|-----------|------------|--------------|
| Accuracy (of rdg) | 2.5%      | 1%         | 0.5%         |
| Phase error (typ) | 3°        | 1°         | 0.5°         |

### General Characteristics

Maximum Conductor Size.....: 72 mm diameter  
Output Connection.....: 4mm safety sockets  
Operating Temperature Range.....: -10 to +55 °C  
Storage Temperature Range.....: -40 to +70°C  
Operating Humidity.....:  $\leq 85\%$   
Weight.....: 1800 g

**Reference conditions:** Temperature : +18°C to 26 °C, humidity: 20 to 75% RH, sinusoidal current: 48 to 65Hz, distortion factor: < 1%, DC current: none, DC magnetic field: 40 A/m earth's magnetic field, alternating magnetic field: none, proximity of external conductor: none, primary conductor: centred in the aperture, load impedance:  $\geq 1\text{M}\Omega$ , <100pF for voltage output.

## Safety Standards

IEC61010-1: 2010  
IEC61010-2-032: 2012  
IEC61010-2-031: 2008

600 V<sub>RMS</sub>, Category III, Pollution Degree 2

Use of the probe on **uninsulated conductors** is limited to 600 V AC<sub>RMS</sub> or DC and frequencies below 1 kHz.

## EMC Standards

EN 61326 :1998

## Dimensions

