

Current probe S.UE 1000A / 1V

The S.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, S.UE 1000A/1V can measure currents from 10A to 1200A over a frequency range of 40Hz to 20kHz.



Electrical Characteristics

Current Range I_N : 1000 A AC_{RMS}
 Measuring Range..... : 10 A to 1200 A_{RMS}
 Output ratio : 1mV / A
 Load Impedance : > 10 kohm
 Conductor Position Sensitivity..... : < 0.5% @ 50/60Hz
 Frequency Range : 40 Hz to 20 kHz
 Temperature Coefficient..... : 0.015% / °C
 Working Voltage (see Safety Standards section)..... : 600 V AC_{RMS} or DC

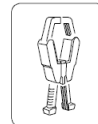
Accuracy

Primary Current	10A – 50A	50A – 100A	100A - 1200A
Accuracy (of rdg)	3%	2%	1%
Phase Error	not specified	<1°	<0.5°

General Characteristics

Maximum Conductor Size : 50 mm diameter,
 Output Connection : FM2R Cable 2M
 Operating Temperature Range : -10 to +55 °C
 Storage Temperature Range : -20 to +70 °C
 Operating Humidity : 15% to 85% (non condensing)
 Weight..... : 620 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, alternative magnetic field: none, proximity of external conductor: none, primary conductor: centred in the aperture, load impedance: $\geq 1M\Omega$, <100pF for voltage output.



Safety Standards

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

600 V_{RMS}, Category III, Pollution Degree 2

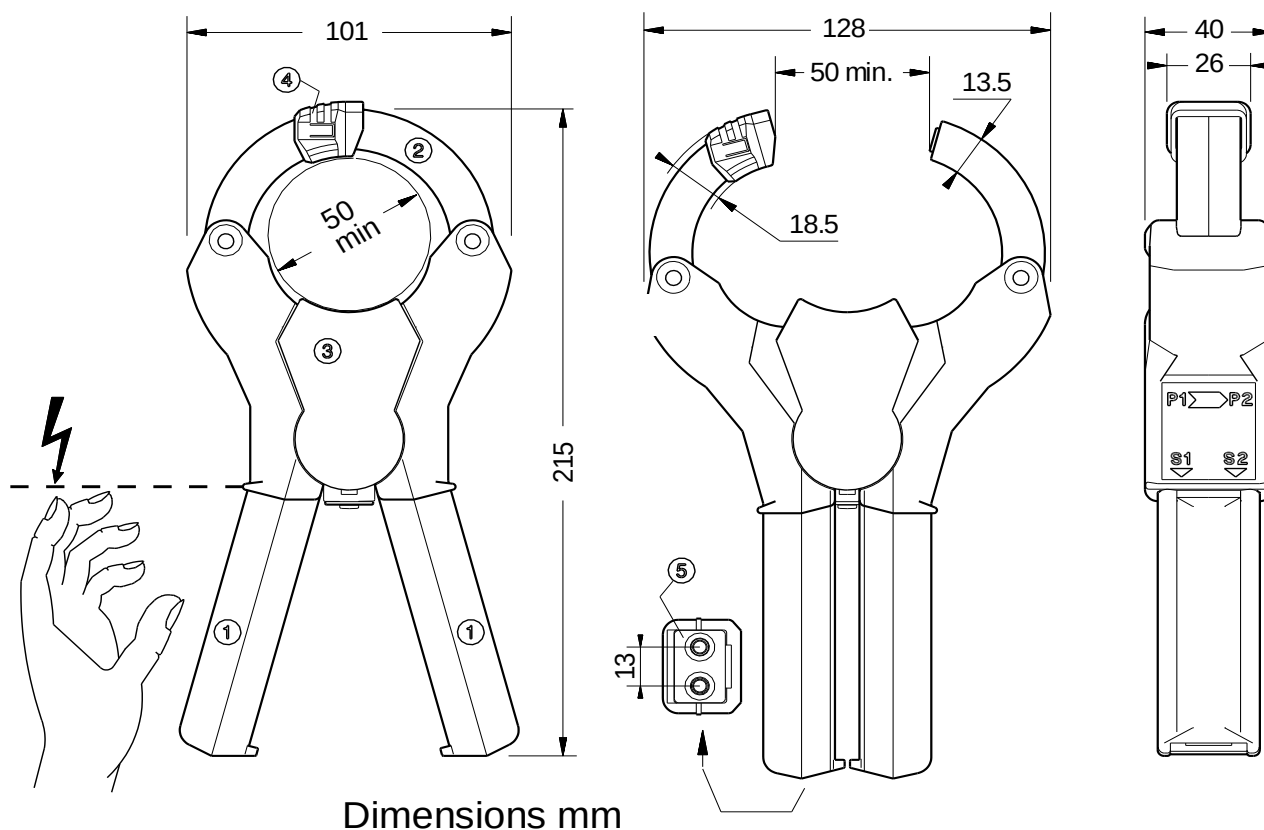
Use of the probe on **uninsulated conductors** is limited to 600 V AC_{RMS} or DC and frequencies below 1 kHz.

EMC Standards

EN 61326 :1998

Dimensions

in mm



Dimensions mm