DIGITAL CLAMP

PCE-CM 40-ICA



- **Up to 3000 A AC**
- **LCD display**
- **Inrush function**
- **Frequency measurement**
- **Easy handling**
- **Data storage**
- **incl. ISO-Calibration Certificate**

The flexible current clamp is suitable for current measurements up to 3000 A AC. In addition to TRMS current measurement, the flexible current clamp can be used to measure inrush currents. The measurement of the current takes place via a flexible Rogowski coil. This means that the electrical conductor around which the flexible current clamp is placed induces a voltage in the ammeter. This voltage is proportional to the current flow through the electrical conductor. This makes it possible to measure very high currents with the flexible current clamp almost without risk. In addition to the current measurement, the flexible current clamp is able to measure frequencies in the range of 50 ... 400 Hz.

The flexible current clamp is used to measure the AC current in machines, systems and electrical installations. Due to the flexible Rogowski coil, which has a diameter of 170 mm / 6.7 in, the clamp can be used wherever conventional space clamps can not be used.

Specification

Alternating current AC	
Measuring range	0 ... 29,99 A AC
Resolution	0,01 A
Accuracy	±(3% of the measured value (of m.v.) +8 digits)
Frequency range	50 ... 400 Hz
Alternating current AC	
Measuring range	30 ... 299,9 A AC
Resolution	0,1 A
Accuracy	±(3% of Mw +5 digit)
Alternating current AC	
Measuring range	300 ... 3000 A AC
Resolution	1 A
Accuracy	±(3% of Mw +5 digit)

General technical data	
Measuring functions	HOLD
Display Typ	LCD with illumination
Display size	2,5 Inch
Storage medium	Internal memory
Interface	Bluetooth
Norm(en)	EN 61010-1, EN 61010-2-032, EN 61326-1
Maximum cable diameter	170 mm
Automatic power-off	15 min.
Operating height	2000 m max. above sea level
Safety standard	CAT III 1000V, CAT IV 600 V
Dimensions	Grinding diameter: approx. 170 mm x 5 mm
Menu language	English (US), English (GB)
Protection class (device)	IP31
Battery/battery	2 x 1,5 V AA Battery (1,5V) , Alkali-Manganese
Battery capacity	2500 mAh
Operating conditions	5 ... 40 °C , 0 ... 80 %RH
Storage conditions	-20 ... 60 °C , 0 ... 80 %RH
Dimensions (L x W x H)	152 x 68 x 34 mm
Weight	188 g