Clamp Meter
PCE-CM 40

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The flexible current clamp PCE-CM 40 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 PCE-CM 40 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, the clamp can be used wherever conventional space clamps can not be used. The measured value of the alternating current is displayed on the illuminated LCD. Furthermore, the measured values can be stored in a memory that can be read out via the Bluetooth interface.

- Up to 3000 A AC
- LC display
- Inrush function
- Frequency measurement
- Easy handling
- Data storage

General Features PCE- CM 40		
AC 50 ... 400 Hz TRMS		
Measuring range	**Resolution**	**Accuracy**
30 A AC	0.01A	± (3% of Mw + 8 digits)
300 A AC	0.1 A	± (3% of Mw + 5 digits)
3000 A AC	1:00 AM	± (3% of Mw + 5 digits)

General technical specifications	
Display	3000 digit LCD with backlight
Loop diameter	About 170 x 5 mm / 6.7 x 0.2 in
Operating conditions	5 ... 40°C / 41 ... 104°F, max. 80% RH not condensing
Storage conditions	-20 ... 60°C / -4 ... 140°F, max. 80% RH not condensing
Operating altitude	Max. 2000 m
Power supply	2 x 1.5V AAA battery
Automatic shutdown	After about 15 minutes
Security conditions	EN61010-1, EN61010-2-032, EN61326-1
Overvoltage category	CAT III, 1000 V; CAT IV, 600V
Pollution degree	2

Subject to change

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