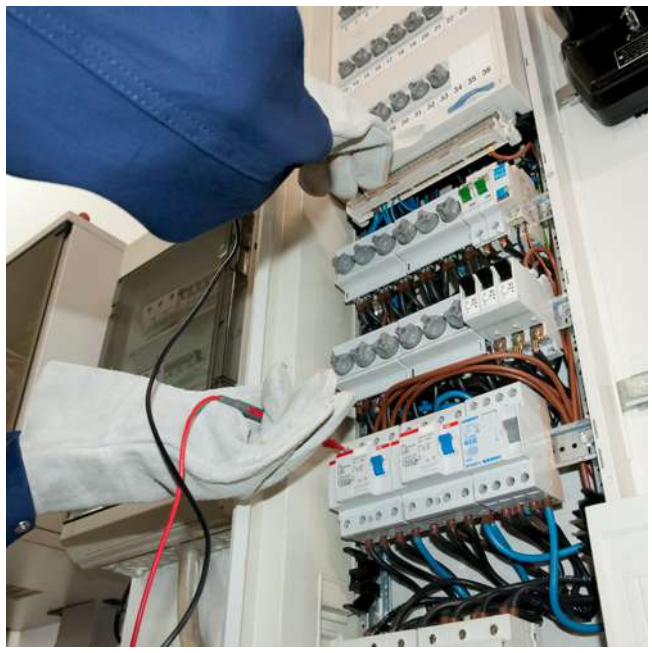
Digital Multimeter PCE-CM 3



Digital Multimeter PCE-CM 3

Fork Clamp Up to 200 A AC / AC / DC Voltage Measurement / Simple Current Measurement / LC display / Continuity test / Thermometer

The fork current clamp PCE-CM 3 is used for quick and easy AC measurements. For current measurement, the fork current clamp is placed over the current-carrying conductor. The PCE-CM 3 Fork Clamp is particularly suitable for the measurement of AC in distributions and wherever circuits must not be interrupted. The current measuring range extends from 0 ... 200 A. In addition to the current measurement, the fork current clamp can be used to measure DC and AC voltages up to 600V, resistances, capacitances and even temperatures. The measured values are displayed on the illuminated display of the fork current clamp.

The compact dimensions and the low weight distinguish this current clamp as well as the robust housing. This makes the PCE-CM 3 fork clamps the perfect companion for installers and service technicians.

- Digital Multimeters up to 200 A
- Compact dimensions
- Robust plastic housing
- Multimeter functions
- Battery operation
- Backlit LCD

Subject to change

Specifications

DC

Measuring range	Resolution	Accuracy
4V DC	1 mV	± (1.2% of measured value + 2 digits)
40V DC	10 mV	± (1.5% of measured value + 2 digits)
400V DC	100 mV	± (1.5% of measured value + 2 digits)
600V DC	1V	± (2% of measured value + 2 digits)

Input impedance	10 MΩ
Overvoltage protection	600V DC
	600V AC RMS

AC

Measuring range	Resolution	Accuracy
4V AC	1 mV	± (1.5% of measured value + 5 digits)
40V AC	10 mV	± (1.5% of measured value + 2 digits)
400V AC	100 mV	± (1.5% of measured value + 2 digits)
600V AC	1 V	± (2% of measured value + 2 digits)

Input impedance	10 MΩ
Overvoltage protection	600V DC
	600V AC RMS
Frequency range	50 ... 400 Hz

Alternating current

Measuring range	Resolution	Accuracy
200 A AC	100-mA	± (3.0% of measured value + 5 digits)

Overload protection	200 A AC
Frequency range	50 ... 60 Hz

Resistance

Measuring range	Resolution	Accuracy
400 Ω	0.1 Ω	± (1% of measured value + 4 digits)
4 kΩ	1 Ω	± (1.5% of measured value + 4 digits)
40 kΩ	10 Ω	± (1.5% of measured value + 4 digits)
400 kΩ	100 Ω	± (1.5% of measured value + 4 digits)
4 MΩ	1 kΩ	± (2.5% of measured value + 4 digits)
40 MΩ	10 kΩ	± (3.5% of measured value + 4 digits)

Overvoltage protection	250V DC
	250 AC RMS

Connection thermocouple	Type K connection with adapter

More information

More product info

Similar products

Subject to change

Capacity

Measuring range	Resolution	Accuracy
4 nF	0.1 nF	± (5% of measured value + 20 digits)
40 nF	1 nF	± (3% of measured value + 5 digits)
400 nF	10 nF	± (3% of measured value + 5 digits)
4 µF	100 nF	± (3% of measured value + 5 digits)
40 µF	1 µF	± (3% of measured value + 5 digits)
100 µF	10 µF	± (3% of measured value + 10 digits)

Overvoltage protection	250V DC 250 AC RMS	

Check feature	Test	Display
Diode test	Test current: 0.5-mA Reverse Voltage: 1.5V	Forward voltage of the diode
Continuity test	Open circuit Voltage 0.5V	Noise when resistance <50 Ω

Overvoltage protection	250V DC 250 AC RMS

General technical specifications

Jaw Capacity	About 17 mm / .7 in
Display	4000 digit LCD with backlight
Continuity test	Noise when resistance <50 Ω
Test current	About 0.5-mA
Open circuit voltage	<2V DC
Battery indicator	Battery icon when battery voltage low
Display overrange	OL appears in the display
Refresh rate display	3 Hz
Temperature sensor	Thermocouple type K
Input impedance	10 MΩ
Operating conditions	5 ... 40°C / 41 ... 104°F, 80% rh non-condensing
Storage conditions	-20 ... 60°C / -4 ... 140°F, 80% rh non-condensing
Operating altitude	<2000 m
Power supply	2 x 1.5V AAA battery
Automatic shutdown	30 minutes
Security conditions	IEC1010-1 (2001) CAT II 1000V CAT III 600V
Pollution degree	2