

Voltmeter PCE-LT 12



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Voltage tester with many measuring functions / For electricians and IT employees / Analysis of network connection cables / Telephone connection test / Voltage and current measurement / NCV / backlight

The voltage tester is a versatile measuring instrument. In addition to the standard voltage and current measurements, the voltage tester also has a network analysis. With this network analysis, the voltage tester can be used to check, for example, LAN connections for their correct wiring and function. Telephone connections can also be checked for their function with this voltage tester. If cables can not be found again, the voltage tester also helps here.

Thanks to the cable finder function of the voltage tester, the operator can find the required cable in no time at all. To do this, the voltage tester must be connected to the connection of a cable. The voltage tester now acts as a transmitter. With the supplied receiver you can now easily find the desired cable in, for example, a wiring harness or behind walls with the voltage tester.

To check whether a voltage is applied to a cable, the voltage tester has an NCV (Not Connected Voltage) function. With this function, the voltage tester must only be held to the line. Both acoustically and visually, the voltage tester signals the operator that a voltage is applied to the line. Thanks to this contactless measuring function, the voltage tester reduces accidents at work due to electric shock.

- ▶ Extensive network connection testing
- ▶ Telephone connection examination
- ▶ Acoustic cable finder function
- ▶ Robust housing for mobile use
- ▶ Voltage, current, resistance measurement
- ▶ Contactless voltage detection

Specifications

Measuring function

AC

Measuring range	Resolution	Accuracy
200 mV	0.1 mV	± (0.8% + 5 digits)
2V	1 mV	± (0.8% + 5 digits)
20V	0.01V	± (0.8% + 5 digits)
200V	0.1V	± (0.8% + 5 digits)
750V	1V	± (0.8% + 5 digits)

Maximum input voltage: 750V AC

Frequency range: 40 ... 400 Hz

Conversion RMS

DC

Measuring range	Resolution	Accuracy
200 mV	0.1 mV	± (0.5% + 5 digits)
2V	1 mV	± (0.5% + 5 digits)
20V	0.01V	± (0.5% + 5 digits)
200V	0.1V	± (0.5% + 5 digits)
1000V	1V	± (0.8% + 5 digits)

Maximum input voltage: 1000V DC

Alternating current

Measuring range	Resolution	Accuracy
200 µA	0.1 µA	± (1.5% + 5 digits)
2000 µA	1 µA	± (1.5% + 5 digits)
20-mA	0.01-mA	± (1.5% + 5 digits)
200-mA	0.1-mA	± (1.5% + 5 digits)
2 A	0.001 A	± (3.0% + 5 digits)
20 A	0.01A	± (3.0% + 5 digits)

Overload protection at µA, mA: 200-mA / 1000V fuse

Overload protection at A: 10 A / 500V fuse

maximum input current µA: 2000 µA

maximum input current mA: 200-mA

maximum input current A: 10 A.

Frequency range: 40 ... 400 Hz

Conversion RMS

Measuring function

Direct current

Measuring range	Resolution	Accuracy
200 µA	0.1 µA	± (1.2% + 5 digits)
2000 µA	1 µA	± (1.2% + 5 digits)
20-mA	0.01-mA	± (1.2% + 5 digits)
200-mA	0.1-mA	± (1.2% + 5 digits)
2 A	0.001 A	± (2.0% + 5 digits)

More information

More product info



Similar products



Subject to change

20 A 0.01A ± (2.0% + 5 digits)

Overload protection at µA, mA: 200-mA / 1000V fuse

Overload protection at A: 10 A / 500V fuse

maximum input current µA: 2000 µA

maximum input current mA: 200-mA

maximum input current A: 10 A.

Measuring function

Resistance

Measuring range	Resolution	Accuracy
200 Ω	0.1 Ω	± (1.0% + 5 digits)
2 kΩ	0.001 kΩ	± (1.0% + 5 digits)
20 kΩ	0.01 kΩ	± (1.0% + 5 digits)
200 kΩ	0.1 kΩ	± (1.0% + 5 digits)
2 MΩ	0.001 MΩ	± (1.0% + 5 digits)
20 MΩ	0.01 MΩ	± (1.0% + 5 digits)

Diode measurement

Measuring range	Resolution	Accuracy
Indicates the forward voltage	1 mV	-

Continuity test

Measuring range	Resolution	Accuracy
Beep at <70 Ω	0.1 Ω	-

Other specifications

Range selection	Automatically and manually
Measurement with receiver	Detecting cable bridges, detecting cable runs
Measurement with network function	Detection of open and closed circuits, wrong connection, "split pair", "reverse" connection, Network integration test, screening test
Further measurement function	"NCV" detection, telephone connection testing
Display	LCD, 1999 digits
Overload indicator	"OIL"
Automatic shutdown	After 15 minutes of inactivity
Fuses	F10A / 500V, F200mA / 1000A
Battery indicator	Display when battery is discharged
Power supply	9V block battery
Operating conditions	0 ... 40°C / 32 ... 104°F -10 ... 50°C / 14 ... 122°F
Dimensions	195 x 92 x 55 mm / 7.7 x 3.6 x 2.2 in
Weight	Approx. 400 g / < 1 lb (with batteries)

Subject to change