

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)

Subject to change



