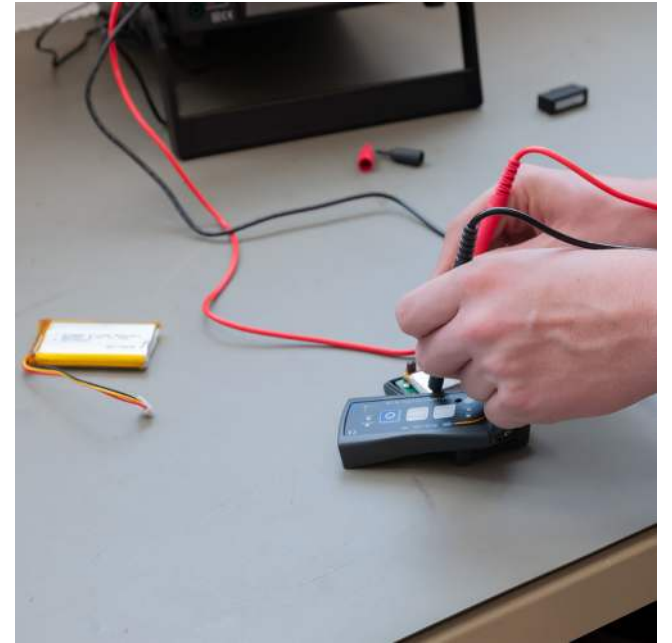


# Digital Multimeter PCE-BMM 10



## Digital Multimeter PCE-BMM 10

**Table multimeter with many measuring functions / Data logger / Mains operation (AC power adapter) and battery operation / TrueRMS measuring device / Measuring range up to 1000V and 10 A / RS-232 interface / Automatic switch-off function / Large and illuminated LC display / Storage rate between 1 ... 3600 s**

This PCE-BMM 10 digital multimeter is equipped for mobile as well as stationary operation. As a supply voltage, the table multimeter with mains voltage (AC power adapter) as well as in battery operation can be used. A large range of functions of the measuring ranges leaves hardly anything to be desired. In addition to accurately capturing VDC, VAC, ADC, AAC and resistance, this desktop multimeter also determines the capacity and frequency. An acoustic continuity test and a diode test are also integrated in the desk multimeter.

In addition, the measured values can be stored on an SD card of up to 32 GB on the table multimeter using the data logger function. As a result, long-term recordings of electrical components or assemblies, machinery and equipment are possible. Thanks to the large and illuminated display, the readings are very easy to read. This table multimeter can optionally also be laboratory-calibrated and equipped with an ISO calibration certificate (at the time of initial order or recalibration, eg annually).

- ▶ Automatic / manual range selection
- ▶ Also suitable for mobile use
- ▶ Continuity test, diode test
- ▶ TrueRMS measurement
- ▶ RS-232 interface
- ▶ Mains / AC power adapter and battery operation
- ▶ Frequency measurement up to 60 MHz
- ▶ ISO calibration optionally available

## Specifications

<b>Measuring range</b>	<b>DC</b>
Measuring ranges	600.0mV / 6V / 60V / 600V / 1000V
Resolution	0.1mV / 0.001V / 0.01V / 0.1V / 1V
Accuracy	± (0.5% + 2 d) to 600 mV ± (0.8% + 1 d) from 600 mV
Input resistance	10 Mohms
Overvoltage protection	In the measuring range 600 mV to ± 350 VAC / VDC over measuring range 600 mV to ± 1000 VAC / VDC

<b>Measuring range</b>	<b>AC</b>
Measuring ranges	600.0mV / 6V / 60V / 600V / 1000V
Resolution	0.1mV / 0.001V / 0.01V / 0.1V / 1V
Accuracy	± (1% + 3 d) at a frequency of 50/60 Hz
Input resistance	10 MΩ
Overvoltage protection	in the measuring range 600 mV to ± 350 VAC / VDC over measuring range 600 mV to ± 1000 VAC / VDC

### direct current

measuring range	Resolution	Accuracy	Fuse
10 A	0.01A	± (1.5% + 2 Dgt)	10 A / 600V
6 A	0.001 A	± (1.5% + 5 Dgt)	10 A / 600V
600-mA	0.1-mA	± (0.5% + 2 Dgt)	600 mA / 600V
60-mA	0.01-mA	± (0.5% + 2 Dgt)	600 mA / 600V
6000 µA	1 µA	± (0.5% + 2 Dgt)	600 mA / 600V
600 µA	0.1 µA	± (0.5% + 2 Dgt)	600 mA / 600V

### Alternating current

Measuring range	Resolution	Accuracy	Fuse
10 A	0.01A	± (1.5% + 2 Dgt)	10 A / 600V
6 A	0.001 A	± (1.5% + 5 Dgt)	10 A / 600V
60-mA	0.1-mA	± (1% + 7 Dgt)	600-mA / 600V
600-mA	0.01-mA	± (1% + 7 Dgt)	600-mA / 600V
6000 µA	1 µA	± (1% + 7 Dgt)	600-mA / 600V
600 µA	0.1 µA	± (1% + 7 Dgt)	600-mA / 600V

The accuracies refer to 50 and 60 Hz

### Diode test

Measuring range	2.7 VDC
Accuracy	± (0.5% + 2 Dgt)

## More information

More product info



Similar products



Subject to change



## Frequency measurement

Area	Resolution	Accuracy
60 MHz	0.01 MHz	± (0.5% + 2 Dgt)
6 MHz	0.001 MHz	± (0.5% + 2 Dgt)
600 KHz	0.1 KHz	± (0.5% + 2 Dgt)
60 KHz	0.01 KHz	± (0.5% + 2 Dgt)
6 KHz	0.001 KHz	± (0.5% + 2 Dgt)
600 Hz	0.1 Hz	± (0.5% + 2 Dgt)
60 Hz	0.01 Hz	± (0.5% + 2 Dgt)

Sensitivity Min. 1 V rms, Max. 5 V rms

## Continuity measurement

Acoustic signal with a resistance of less than 3 Ω

Duty cycle

Frequency range	Duty cycle range
60 Hz ... 600 Hz	5 ... 90%
601 Hz ... 6 kHz	10 ... 90%
6.1 kHz ... 60 KHz	20 ... 80%
61 KHz ... 1 MHz	30 ... 80%
> 1 MHz ... 10 MH	Only as a reference measurement

Accuracy ± (0.5% + 5 Dgt)

Sensitivity Min. 1V rms, Max. 5V rms

## Resistivity

Measuring range	Resolution	Accuracy	Fuse
60 MΩ	0.01 MΩ	± (3% + 5 Dgt)	± 350 VAC / DC
6 MΩ	0.001 MΩ	± (1.5% + 2 Dgt)	± 350 VAC / DC
600 kΩ	0.1 kΩ	± (1.5% + 2 Dgt)	± 350 VAC / DC
60 kΩ	0,01kΩ	± (1.5% + 2 Dgt)	± 350 VAC / DC
6 kΩ	0.001 kΩ	± (1.5% + 2 Dgt)	± 350 VAC / DC
600 Ω	0.1 Ω	± (1% + 2 Dgt)	± 350 VAC / DC

Display 97 mm x 56 mm / 3.8 x 2.2 in

Backlit LC display up to 6000

Display updating Average between 0.5 ... 1 second

Storage rate 0, 1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600

\*a storage rate of 0 means manual storage

Corrupt data <0.1% of the data is typically faulty

SD card capacity 4 ... 32 GB

Select measuring range Automatic and manual

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Additional function	Put the measured value in relation Freeze measured value Automatic shutdown MAX / MIN
Polarity	In reverse polarity, the measured value is negated.
Zero	Automatically
Interface	RS232
Power supply power supply	Primary: 230V, 50 Hz, 0.3 A Secondary: 9 VDC, 800-mA, 7.2 VA
Power supply	Batteries 6 x AA 1.5V
Dimensions	292 x 236 x 98 mm / 11.5 x 9.3 x 3.9 in
Weight	1972 g / 4.3 lbs (without batteries)
Environmental conditions	0 ... 50°C / 32 ... 122°F, max. 80% RH
Degree of protection / Standardization	CAT I 1000V

Subject to change

