

Digital-Multimeter BENNING MM 12

Application:

For all sophisticated measuring tasks in industry and trade. Monitor, store and share the measured values for further evaluation within your organization via the free “BENNING MM-CM Link” app.

Features:

- precise due to TRUE RMS measuring method (AC, AC+DC)
- data logger function “LOG” (40,000 measured values, sampling rate: 1 s to 10 min.)
- memory function “MEM” (1,000 measured values, automatic storage of stable measured values and manual storage with a simple keystroke)
- Bluetooth® Low Energy 4,0 and optical interface via USB connection
- IOS and Android™ app for data link to smartphone/tablet
- “AutoV” function for automatic AC/DC voltage detection and low input impedance LoZ (< 3 kΩ) to suppress reactive voltages
- low-pass filter (HFR) for measurements at pulsed motor drives
- easy selection of menu functions via cursor key
- memory of measured value (HOLD), peak value (P-HOLD), relative value function (REL), maximum/minimum/average values (MAX/MIN/AVG) and level measurement (dB/dBm)
- measuring category CAT IV 600 V, CAT III 1000 V
- incl. PC software, serial data cable with USB connection, protective rubber holster, magnetic holder, carrying case, batteries, measuring leads, wire temperature sensor and calibration certificate



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Industrial environments requires TRUE RMS measuring instruments!

Non-linear loads arising e.g. from motor drives with adjustable speed, frequency converters or mains supply units for office equipment and LED lamps generate a reactive power in the mains. As a result, multimeters and current clamps working with the so-called averaging measuring method ("RMS") will display the measured values with reduced accuracy.

In many cases and particularly in industrial environments, it is therefore absolutely necessary to use state-of-the-art "TRUE RMS" measuring instruments. The "TRUE RMS" measuring method indicates the actual effective value of an alternating current correctly - irrespective of whether the signal waveform of the current is sinusoidal or distorted

indicating range	40,000
basic accuracy	0.5 %
AC voltage	10 μ V – 1000 V
DC voltage	10 μ V – 1000 V
AC current	10 μ A – 10 A
DC current	10 μ A – 10 A
resistance	0.1 Ω – 40 M Ω
continuity/ diode	Yes / Yes
frequency	0.1 Hz – 100 kHz
capacity	0.01 nF – 40 mF
temperature	- 200°C up to + 1.200°C
interface	Bluetooth® Low Energy 4,0, USB (optical)
memory / data log	1,000 measured values / 40,000 measured values
measuring method	TRUE RMS AC, AC+DC
measuring category	CAT III 1000 V, CAT IV 600
item no.	044088

Technical changes, model or color modifications, mistakes and delivery facilities without notice! No responsibility for literal mistakes.