

BENNING MM 5-1 and MM 5-2

Innovative Digital Multimeter series with TRUE RMS measuring method and integrated Volt sensor

- precise due to TRUE RMS measuring method
- μA DC current range (400,0 μA DC / 4000 μA DC) (MM 5-2)
- continuity test by means of red LED and buzzer
- integrated Volt sensor for non-contact signaling of phase voltages and cable breaks in lines (red LED)
- rubber holster with integrated magnetic hanger
- carrying case included in delivery

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.



BENNING MM 5-1

- TRUE RMS
- CAT III 600 V



BENNING MM 5-2

• TRUE
RMS
• CAT III
600 V



	BENNING MM 5-1	BENNING MM 5-2
--	----------------	----------------

indicating range	6,000	6,000
basic accuracy	0.5 %	0.5 %
voltage AC	0.1 mV – 600 V	0.1 mV – 600 V
voltage DC	0.1 mV – 600 V	0.1 mV – 600 V
current AC	-	1 mA – 10 A

	BENNING MM 5-1	BENNING MM 5-2
current DC	-	0.1 μ A – 10 A
resistance	0.1 Ω – 40 M Ω	0.1 Ω – 40 M Ω
continuity / diode	yes / yes	yes / yes
frequency	0.01 Hz – 50 kHz	0.01 Hz – 50 kHz
capacity	0.01 nF – 1 mF	0.01 nF – 1 mF
temperature	-	- 40°C up to + 400°C
voltsensor	yes	yes
memory	HOLD, PEAK	HOLD, PEAK
measuring method	TRUE RMS	TRUE RMS
measuring category	CAT III 600 V	CAT III 600 V
item no.	044070	044071