

# BENNING

## MM 2-1, MM 2-2, MM 2-3

TRUE RMS Digital Multimeter Series

NEW!



Recommended retail price

**109,60 €**

Price is exclusive of VAT  
Item no.: 044691



Recommended retail price

**149,80 €**

Price is exclusive of VAT  
Item no.: 044693



Recommended retail price

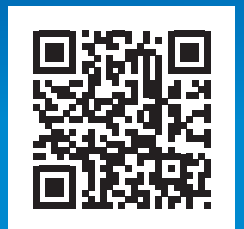
**129,90 €**

Price is exclusive of VAT  
Item no.: 044692

## The new entry-level class of professional measuring equipment

### TRUE RMS digital multimeter series with an excellent price/performance ratio

- TRUE RMS measuring method for measuring non-linear signals
- robust protective rubber holster for increased grip and impact resistance
- ergonomic housing with large display and illumination
- MIN/MAX/AVG recording, HOLD storage
- jack control with warning (visual/acoustic) to protect against operating errors (fuseprotection)
- delivery including silicone high-quality measuring leads with 2 mm and 4 mm measuring probe (gold-plated) and carrying case



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[www.benning.de](http://www.benning.de)

INFO

*robust integrated protective rubber holster for increased grip and impact resistance*



silicone measuring leads with gold-plated measuring probe (2 mm fixed and 4 mm screw-on type)



scope of delivery BENNING MM 2-3

## BENNING MM 2-1, MM 2-2, MM 2-3

### Measuring functions:

- TRUE RMS voltage measurement (1000 V AC/DC) with max accuracy of 0.2 %
- resistance (60 M $\Omega$ ) and frequency measurement (50 kHz)
- continuity and diode test (visual/ acoustic)
- “Volsensor” function for non-contact and single-pole phase testing

### Additionally for MM 2-2, MM 2-3:

- TRUE RMS current measurement (10 A AC/ DC) protected by a 1 kV HBC fuse
- capacity measurement (10 mF)

### Additionally for MM 2-3:

- temperature measurement (-40 °C up to +400 °C) incl. temperature sensor

### Features:

- backlit digital display with a resolution of 6,000 digits
- precise TRUE RMS measurement
- MIN/MAX/average and relative value measurement (REL)
- quick continuity test (< 15 ms) with visual and acoustic indication
- jack control (visual/acoustic) in the A ranges with warning in case of operating errors (fuse protection)
- display HOLD (storage of the current measured value)
- automatic and manual measuring range selection (RANGE)
- all ranges with overload protection up to 1000 V
- compact and ergonomic housing for one-hand operation
- scope of delivery:
  - digital multimeter with robust protective rubber holster,
  - high-quality silicone measuring leads with gold-plated 2 mm and 4 mm measuring probe
  - wire temperature sensor (MM 2-3), carrying case and batteries

ranges / functions	MM 2-1	MM 2-2	MM 2-3
voltage AC/DC	60.00 mV, 600.0 mV, 6.000 V, 60.00 V, 600.0 V, 1000 V		
current AC/DC	–	6.000 A, 10.00 A (by means of a 1 kV high breaking capacity fuse)	
resistance	600.0 $\Omega$ , 6.000 k $\Omega$ , 60.00 k $\Omega$ , 600.0 k $\Omega$ , 6.000 M $\Omega$ , 60.00 M $\Omega$		
frequency	10.00 Hz - max. 50.00 kHz (voltage), 50.00 Hz – 1.00 kHz (current)		
capacity	–	20.00 nF, 200.0 nF, 2000 nF, 20.00 $\mu$ F, 200.0 $\mu$ F, 2000 $\mu$ F, 10.00 mF	
temperature	–	–	-40 °C ~ +400 °C
continuity test	< 30 $\Omega$ - 480 $\Omega$ (visual and acoustic indication), response time < 15 ms		
diode test	3,000 V (visual and acoustic indication)		
VoltSensor	non-contact phase testing (electric field measurement), 2 sensitivity levels		
	single-pole phase testing via measuring lead, 2 sensitivity levels		
indication	3 5/6 digit, 60,000 digits, max. measuring rate 5/s, illuminated		
diagnosis and data HOLD functions	MIN/MAX/AVG: minimum, maximum and average value memory		
	REL $\Delta$ : relative value measurement		
	HOLD: manual memory		
measuring method	TRUE RMS measuring method		
jack control (A input)	visual and acoustic alert in case of incorrect measuring range selection (fuse protection)		
safety	EN 61010-1, EN 61010-2-033, EN 61010-031		
measuring category	CAT IV 300 V, CAT III 600 V, CAT II 1000 V		
power supply	2 x 1.5 V micro batteries (AAA/ IEC LR03), battery life approx. 190 h without background lighting		
dimensions/weight	161 x 80 x 50 mm/ 334 g		
item no.	044691	044692	044693
recommended retail price*	109.60	129.90	149.80

\* All prices are recommended retail prices exclusive of VAT

Measuring range indications refer to ranges from highest resolution to the final measuring range value.