

SPECIFICATION

Insulation Range		BM200	BM201	BM202	BM203	BM204	BM205	BM206
Nominal Test Voltage (d.c.)		500 V & 1000 V	500 V & 250 V	250 V & 100 V	100 V	500 V & 1000 V	500 V & 1000 V	250 V, 500 V & 1000 V
Insulation Resistance Range		0,01 MΩ to 1000 MΩ (all instruments and all test voltages)						
Terminal Voltage on Open Circuit (d.c.)		BM200 to BM205					BM206	
		1000 V range: 1400 V max.					1100 V max.	
		500 V range: 750 V max.					575 V max.	
		250 V range: 250 V ±5%					300 V max.	
		100 V range: 100 V ±5%					—	
Terminal Voltage on Load (d.c.)		BM200 to BM205					BM206	
		1000 V range: 1000 V min. at 1 MΩ					1000 V min. at 1 MΩ	
		500 V range: 500 V min. at 0,5 MΩ					500 V min. at 0,5 MΩ	
		250 V range: 250 V +0-20% at 1 MΩ					250 V min. at 250 kΩ	
		100 V range: 100 V +0-20% at 1 MΩ						
Short Circuit Current		2 mA max.						
Accuracy (at 20 °C)	analogue	±1,5% of scale length						
	digital	±3% of reading ± 2 digits						
		Note:- BM203 accuracy is ±10% of reading above 100 MΩ						
Response Time		1,5 s for full scale (i.e. 1000 MΩ)						
Resistance Range		BM200 to BM205						
Resistance		0,01 kΩ to 1000 kΩ						
Terminal Voltage on Open Circuit		2 V max.						
Accuracy (at 20 °C)	analogue	±2% of scale length						
	digital	±5% of reading ± 2 digits						
Response Time		1,5 s for full scale (i.e. 1000 kΩ)						
Continuity Ranges		Resistance						
		(i) 0,01 Ω to 5 Ω						
		(ii) 0,1 Ω to 50 Ω						
		(iii) continuity buzzer up to 1 kΩ, with 'Test' button not pressed						
Terminal Voltage on Open Circuit		6 V max. 3 V min.						
Short Circuit Current		40 mA nominal						
Accuracy (at 20 °C)	analogue	For 5 Ω range, ±3% of reading ±0,05 Ω						
	digital	For 50 Ω range, ±5% of reading ±0,5 Ω						
		For 5 Ω range, ±3% of reading ±2 digits						
		For 50 Ω range, ±5% of reading ±2 digits						
Zero Offset		0 to +0,10 Ω at prod tips, on 5 Ω range						
Response Time		2 s to full scale						
Voltage Range		BM200, BM201, BM202, BM203, BM206						
Range	analogue	20 V to 500 V a.c.; 20 V to 350 V d.c.						
	digital	20 V to 600 V a.c.; 20 V to 350 V d.c. (above 350 V d.c. the display reads '>350') (No voltage range on BM204 or BM205)						
Input Impedance		500 kΩ approx.						
Accuracy (at 20 °C)	analogue	±3% of reading ±10 V						
	digital	±3% of reading ±3 V						
Voltage Indication		All instruments, including the BM204 and BM205 indicate the presence of voltage in excess of 20 V by both audible and visible warnings.						

General Display

Combined analogue and digital l.c.d. giving logarithmic and linear scales with dynamic pointer plus 3 digit display.

Overload Rating

BM200, BM204
BM206
BM201, BM202,
BM203, BM205

1200 V a.c. or d.c. for 10 s or 600 V a.c. or d.c. indefinitely.
600 V a.c. or d.c. indefinitely.

Temperature Coeff.

<0,1% per °C on all ranges

Temperature Range
operating
storage

−5 °C to +50 °C
−25 °C to +65 °C

Humidity Range

operating

90% RH at 40 °C max.

Fuses

100 mA 250 V 20 mm x 5 mm ceramic HBC (IEC 127/1)
500 mA 440 V 32 mm x 6 mm ceramic HBC
1,5 kA minimum

Safety

The BM200 to BM205 will, in general, meet the requirements of BS 4743 (1979), IEC 348 (1978) and VDE0411 (1973).
The BM206 will, in general, meet the requirements of IEC 1010 (1991), BS 4743 (1979) and VDE 0411 (1973).
Safety Class II.

Power Supply

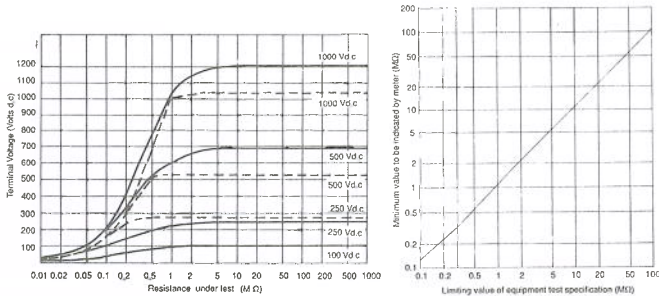
4 x 1,5 V cells IEC LR6 type (e.g. Duracell MN1500).
Minimum battery life (5 s tests as per VDE0413), 3000 tests at 500 V on 0,5 MΩ load; 500 tests at 1000 V on 1 MΩ load. (Nominal capacity of alkaline-manganese cells is 2250 mAh).

Dimensions

195 mm x 98 mm x 40 mm
(7 5/8 in x 3 7/8 in x 1 1/2 in approx.)

Weight

380 g (7/8 lb) approx.



Key: — BM200 to BM205
--- BM206

Typical Terminal Voltage Characteristic

Limiting Value Curve

ACCESSORIES

Supplied:	Test lead set	part no. 6220-408
	Zip-up carrying case	part no. 6420-067
Optional:	Spare test lead set	part no. 6220-437
	Direct entry, fixed red prod	part no. 5210-350
	Fused test lead set (FPK1)	part no. 6110-872
	Silicon covered leads (advantageous for measurements > 100 MΩ)	part no. 6220-474
	red	part no. 6220-475
	black	part no. 6420-057
	Test-and-carry case — simulated leather	