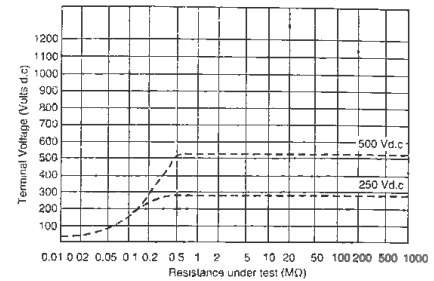


SPECIFICATION

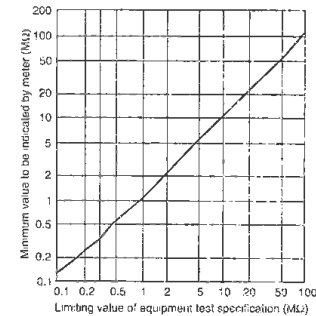
Insulation Range	BM208
Nominal Test Voltage (d.c.)	250 V, 500 V
Insulation Resistance Range	0,01 M Ω to 1000 M Ω (all instruments and all test voltages)
Terminal Voltage on Open Circuit (d.c.)	500 V range: 575 V max. 250 V range: 300 V max.
Terminal Voltage on Load (d.c.)	500 V range: 500 V min. at 0,5 M Ω 250 V range: 250 V min. at 250 k Ω
Short Circuit Current	20 mA max.
Accuracy (at 20 °C)	
analogue	$\pm 1,5\%$ of scale length
digital	$\pm 3\%$ of reading ± 2 digits
Response Time	1 s to full scale (i.e. 1000 M Ω)
Continuity Ranges	
Resistance (i)	0,01 Ω to 5 Ω
(ii)	0,1 Ω to 50 Ω
(iii)	continuity buzzer up to 1 k Ω , 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, $\pm 3\%$ of reading $\pm 0,05 \Omega$ For 50 Ω range, $\pm 5\%$ of reading $\pm 0,5 \Omega$
digital	For 5 Ω range, $\pm 3\%$ of reading ± 2 digits For 50 Ω range, $\pm 5\%$ 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	
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')
Input Impedance	500 k Ω approx.
Accuracy (at 20 °C)	
analogue	$\pm 3\%$ of reading ± 10 V
digital	$\pm 3\%$ of reading ± 3 V
Voltage Indication	The instrument will indicate the presence of voltage in excess of 20 V by both audible and visible warnings.
General Display	Combined analogue and digital i.c.d. giving logarithmic and linear scales with dynamic pointer plus 3 digit display.
Overload Rating	1200 V a.c. or d.c. for 10 s or 600 V a.c. or d.c. indefinitely.
Temperature Coeff.	<0,1% per °C on all ranges
Temperature Range	
operating	-5 °C to +50 °C
storage	-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 BM208 will, in general, meet the requirements of IEC 1010 (1991), BS 4743 (1979) and VDE 0411 (1973).
Safety Class II.



Typical Terminal Voltage Characteristic



Limiting Value Curve

Power Supply	4 x 1,5 V cells IEC LR 6 type (e.g. Duracell MN1500). Minimum battery life (5 s tests as per VDE0413), 3000 tests at 500 V on 0,5 M Ω load; 500 tests at 1000 V on 1 M Ω 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.