

TBM811 / TBM811XEX General Purpose DMM

- Splash/Drop Proof
- 1000V AC/DC
- USB Interface
- Dual display
- Back light

TBM811XEX



Intrinsically Safe
1A/1kV (IR10kA) for μ A and
mA (1000V HRC Fuse)

11A/1kV (IR20kA) for A (1000V HRC Fuse)

These meters comply to IEC SANS 60079-0:2000 and IEC SANS 60079-11:1999, which is an electrical apparatus for explosive gas atmospheres. Part 0 (general requirements) and Part 1 (intrinsic). The approved explosive protection rating of this equipment is suitable for use in Zone 1 hazardous area. Group I (coal mines) underground and Group II (surface).

Markings on meter:

Ex ib I Mb

Ex ib IIC Gb

SAEx MS/09-200X.

Ex ib falls under Zone 1 which is an area where flammable gas can occur in normal operating conditions.

Technical Specification

DC/AC Voltage	60m,600m,6,600,1000V
DC/AC Current	600 μ ,6000 μ ,60m,600m, 6,10A
Resistance	0.1 Ω - 60M Ω
Frequency	5Hz - 1MHz
Capacitance	60n,600n,6 μ ,60 μ ,600 μ ,20mF
Accuracy	
DC Voltage	0.08% + 2 Digit
AC Voltage	2.0% + 3 Digit
DC Current	0.2% + 4 Digit
AC Current	1.0% + 4 Digit
Resistance	1.5% + 5 Digit
Frequency	0.004% + 4 Digit
Capacitance	5.0% + 5 Digit
Protection	
DC/AC Voltage	1050Vrms,1450V PEAK
AC/DC Current	0.44A/1000V Fuse (IR10kA) 11A/1000V Fuse (IR20kA)
Resistance	1.2V DC OPEN CIRCUIT
Input Warning	✓
Transient	12kV SURGE
Protection	(1.2/50 μ s) SURGE

Model Specification

Optional Accessories	USB Cable & Software TBU86X See PG 6 for USB Adaptor Magnetic Hanger (TBMH01)
Dimensions (mm)	208(L) x 103(W) x 64.5(H)
Power Source	9V Battery
Weight	635g



TBM811XEX



TBMH01
Magnetic Hanger
(Optional Accessory)

TBM812 / TBM812XEX General Purpose DMM

- Splash/Drop Proof
- 1000V AC/DC
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- Dual display
- Back light

TBM812XEX



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mA (1000V HRC Fuse)

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Markings on meter:

Ex ib I Mb

Ex ib IIC Gb

SAEx MS/09-291X.

Ex ib falls under Zone 1 which is an area where flammable gas can occur in normal operating conditions.

Technical Specification

DC/AC Voltage	60m,600m,6,600,1000V
DC/AC Current	600 μ ,6000 μ ,60m,600m, 6,10A
Resistance	0.1 Ω - 60M Ω
Frequency	5Hz - 1MHz
Capacitance	60n,600n,6 μ ,60 μ ,600 μ ,20mF
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True
RMS



TBM812XEX



TBMH01
Magnetic Hanger
(Optional Accessory)