

TBM811 / TBM811XEX General Purpose DMM

- Splash/Drop Proof
- 1000 VAC/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 Ex ib I/IIC T6. SABS MS/S108X. 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 (TBU82X) 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 (TRUE RMS)

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

TBM812XEX

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 Ex ib I/IIC T6. SABS MS/S108X. Ex ib falls under zone 1 which is an area where flammable gas can occur in normal operating conditions.

Technical Specification

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|-------------------|--|
| 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 (TBU82X) 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 |



TBM812XEX



TBMH01
Magnetic Hanger
(Optional Accessory)