



## DM78B Digital Multi-Tester

- Smallest, go anywhere meter
- 5 functions/16 ranges
- Auto-off saves batteries
- Data Hold
- Protective case included
- 3200-count display with analog bargraph

### No hassle warranty

*No waiting.*

*No shipping  
charges.*



Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: \$500 MSLP limit)

#### Included Accessories

Pocket case, battery, and users manual.





## DM78B Digital Multi-Tester

## Data Sheet

### General Specifications

|                             |                                                                   |
|-----------------------------|-------------------------------------------------------------------|
| Display:                    | 3-3/4 digit LCD, 3200 counts                                      |
| Display Update:             | 2/sec display; 20/sec bargraph                                    |
| Power Supply:               | Two 1.5 V (LR-44), NEDA# 1166A                                    |
| Battery Life:               | 70 hours continuous operation                                     |
| Low Battery Indicator:      | B displayed when < 1.25 V                                         |
| Operating Temperature:      | 0 °C to + 40 °C, < 70 % R.H. non-condensing                       |
| Storage Temperature:        | - 20 °C to + 60 °C, < 80 % R.H. non-condensing, batteries removed |
| Dimensions (H x W x D):     | 111.5 x 56 x 10.5 mm (4.3" x 2.2" x 0.40")                        |
| Weight (including battery): | 8.6 g (3 oz.)                                                     |

### Specifications 23 °C ± 5 °C; < 80 % R.H.

| Function                          | Range                                       | Accuracy               |
|-----------------------------------|---------------------------------------------|------------------------|
| <b>DC Voltage</b>                 |                                             |                        |
| 320 mV, 3.2 V, 32 V, 320 V, 600 V | 3.2 V range                                 | ± (1.0 % rdg + 2 dgts) |
|                                   | All other ranges                            | ± (2.0 % rdg + 2 dgts) |
| Resolution                        | 0.1 mV in 320 mV range                      |                        |
| Input Impedance                   | 320 mV range: > 100 MΩ                      |                        |
|                                   | 3.2 V range: 11 MΩ                          |                        |
|                                   | All other ranges: 10 MΩ                     |                        |
| <b>AC Voltage</b>                 |                                             |                        |
|                                   | Ranges 3.2 V, 32 V, 320 V, 600 V            | ± (4.0 % rdg + 5 dgts) |
| Resolution                        | 100 mV in 3.2 V range                       |                        |
| Input Impedance                   | 3.2 V range: 11 MΩ                          |                        |
|                                   | All other ranges: 10 MΩ                     |                        |
| <b>Resistance</b>                 |                                             |                        |
| Ranges                            | 320 Ω, 3.2 kΩ, 32 kΩ, 320 kΩ, 3.2 MΩ, 32 MΩ |                        |
| Resolution                        | 100 mΩ in 320 Ω range                       |                        |
|                                   | 320 Ω range:                                | ± (2.0 % rdg + 4 dgts) |
|                                   | 3.2, 32, 320 kΩ ranges:                     | ± (2.0 % rdg + 2 dgts) |
|                                   | 3.2 MΩ range:                               | ± (6.0 % rdg + 2 dgts) |
|                                   | 32 MΩ range:                                | ± (1.0 % rdg + 2 dgts) |
| Test Current                      | 320 Ω: < 0.7 mA                             |                        |
|                                   | 3.2 kΩ: < 0.13 mA                           |                        |
|                                   | 32 kΩ: < 13 μA                              |                        |
|                                   | 320 kΩ: < 1.3 μA                            |                        |
|                                   | 3.2 MΩ: < 0.13 μA                           |                        |
| Test Voltage                      | 32 MΩ: 0.6 mA                               |                        |
|                                   | 0.6 V                                       |                        |
| <b>Diode Test</b>                 |                                             |                        |
| Range                             | 3.2 V                                       | ± (10 % rdg + 2 dgts)  |
| Test Current                      | 0.6 mA                                      |                        |
| Test Voltage                      | 0.6 V                                       |                        |
| <b>Continuity Check</b>           |                                             |                        |
| Range                             | 320 Ω                                       |                        |
| Indication                        | At approx. < 20 Ω                           |                        |
| Test Current                      | 0.7 mA                                      |                        |

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