

Data Sheet

DM78A Digital Multimeter

Voltage, continuity, diode and resistance in a pocket-size meter

- Smallest, go anywhere meter
- 5 functions/16 ranges
- Continuity test: Buzzer alert
- Diode check: Good/bad by the displayed value
- Auto-off saves batteries
- Data Hold
- Protective case included
- 3200-count display with analog bargraph

Specifications (at 23 °C ± 5 °C, <80 % R.H.)

Function	Range	Accuracy
Voltage		
DC Voltage	320 mV, 3.2 V, 32 V, 320 V, 600 V	3.2 V range: ± (1.0 % rdg + 2 dgts) All others: ± (2.0 % rdg + 2 dgts)
AC Voltage	3.2 V, 32 V, 320 V, 600 V	± (4.0 % rdg + 5 dgts)
Resolution	0.1 mV in 320 mV range (dc), 100 mV in 3.2 V range (ac)	
Input Impedance	320 mV range: > 100 MΩ, 3.2 V range: 11 MΩ, all others: 10 MΩ	
Resistance	320 Ω range 3.2, 32, 320 kΩ ranges 3.2 MΩ range 32 MΩ range	± (2.0 % rdg + 4 dgts) ± (2.0 % rdg + 2 dgts) ± (6.0 % rdg + 2 dgts) ± (10.0 % rdg + 2 dgts)
Resolution	100 mΩ in 320 Ω range	
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, 32 MΩ: 0.6 mA	
Test Voltage	0.6 V	
Diode Test	3.2 V	± (10 % rdg + 2 dgts)
Test Current	0.6 mA	
Test Voltage	0.6 V	
Continuity Check		
Indication	At approx. < 20 Ω	
Test Current	0.7 mA	

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 mm x 56 mm x 10.5 mm (4.3 in x 2.2 in x 0.40 in)
Weight (including battery)	8.6 g (3 oz)
Warranty	One-year

Meterman®
The right tool, everyday.™

Meterman Test Tools

website: www.metermantesttools.com
email: info@metermantesttools.com

6920 Seaway Blvd. Meterman Test Tools Europe
Everett, WA 98203 P.O. Box 1186
fax: 425-446-4882 5602 BD Eindhoven
tel: 877-596-2680 The Netherlands

©2005 Meterman Test Tools. All rights reserved.
8/2005 1646641 D-US-N Rev B



Included Accessories

Pocket carrying case, battery and users manual.

No waiting.

No shipping
charges.

No hassle
warranty

