

**Model DMM 105**

# Multimeter

## 2000-count Manual Ranging



CE

### Low Cost Manual Ranging Multimeter

- 600VAC/DC Voltmeter
- 10A Ammeter
- Resistance to 20M $\Omega$
- Diode Test
- Data Hold – Fuse Protected
- Auto Power OFF and Low Battery Indication
- Protective Industrial Blue Holster with Stand
- IEC/EN 61010, 600V, Cat. II and 300V, Cat. III Safety Rated & CE Mark

| <b>ELECTRICAL SPECIFICATIONS</b> |   | <b>Model DMM 105</b> |
|----------------------------------|---|----------------------|
| <b>DC Volts</b>                  |   |                      |
| Measurement Ranges               | 5 Ranges: 200mV, 2V, 20V, 200V, 600V  |                      |
| Accuracy* & Resolution           | 200mV: 0.8% ± 1ct – 0.1mV Resolution<br>2V: 0.8% ± 1ct – 1mV (0.001V) Resolution<br>20V: 0.8% ± 1ct – 10mV (0.01V) Resolution<br>200V: 0.8% ± 1ct – 100mV (0.1V) Resolution<br>600V: 0.8% ± 1ct – 1V Resolution                               |                      |
| Input Impedance                  | 10MΩ  |                      |
| <b>AC Volts</b>                  |   |                      |
| Measurement Ranges               | 2 Ranges: 200V & 600V   |                      |
| Accuracy* & Resolution           | 200V: 1.2% ± 10cts – 100mV (0.1V) Resolution<br>600V: 1.2% ± 10cts – 1V Resolution  |                      |
| Input Impedance                  | 10MΩ  |                      |
| Frequency Response               | 40 – 400Hz  |                      |
| <b>DC Amperes</b>                |   |                      |
| Measurement Ranges               | 5 Ranges: 200μA, 2mA, 20mA, 200mA, 10A  |                      |
| Accuracy* & Resolution           | 200μA: 1.0% ± 3cts – 0.1μA Resolution<br>2mA: 1.0% ± 3cts – 0.001mA Resolution<br>20mA: 1.0% ± 3cts – 0.01mA Resolution<br>200mA: 1.0% ± 3cts – 0.1mA Resolution<br>10A: 1.0% ± 3cts – 10mA (0.01A) Resolution                                |                      |
| <b>Resistance (Ohms)</b>         |   |                      |
| Measurement Ranges               | 5 Ranges: 200Ω, 2000Ω, 20kΩ, 200kΩ, 2MΩ, 20MΩ   |                      |
| Accuracy* & Resolution           | 200Ω: 1.0% ± 2cts – 0.1Ω Resolution<br>2000Ω: 1.0% ± 2cts – 1Ω Resolution<br>20kΩ: 1.0% ± 2cts – 0.01kΩ Resolution<br>200kΩ: 1.0% ± 2cts – 0.1kΩ Resolution<br>2MΩ: 1.0% ± 2cts – 0.001MΩ Resolution<br>20MΩ: 2.0% ± 2cts – 0.01MΩ Resolution |                      |
| <b>Diode Test</b>                |   |                      |
| Measurement Range                | 0 to 2.000V   |                      |
| <b>Other Functions</b>           |   |                      |
| Battery Test                     | Yes – 1.5V and 9V Range settings.   |                      |
| Over-Range Indication            | Yes – “1.” displayed if Over-Range  |                      |
| <b>GENERAL SPECIFICATIONS</b>    |   | <b>Model DMM 110</b> |
| Display                          | 2000-count 3½ Digit LCD – “1.” Displayed for Over-Range   |                      |
| Operating Temperature & %RH      | 32° to 104°F (0° to 40°C), 85% RH max non-condensing  |                      |
| Storage Temperature & %RH        | -4° to 140°F (-20° to 60°C), 94% RH max non-condensing, battery removed   |                      |
| Altitude                         | 6000 ft (2000m)   |                      |
| Range Selection                  | Manual selection through rotary knob – 20 Ranges plus 2 OFF   |                      |
| Power Supply                     | 1 Battery – 9V type AA (NEDA 1604, IEC 6F22)  |                      |

|                     |   |
|---------------------|---|
| Fuse                | DC Amperes: Fast Blow 200mA and 10A, 250V (5x20mm)<br>Continuity protected to 250VAC/DC<br>Volts protected to 750VAC/DC |
| Holster             | Blue color (dirt resistant) soft protective holster with stand  |
| Dimensions & Weight | 1.57 x 2.87 x 5.71" (40 x 73 x 145mm) - 16 oz (500g) with holster   |
| Warranty            | One Year  |
| <b>Safety</b>       |   |
| Safety Standards    | IEC/EN 61010 – 600V Cat. II and 300V Cat. III, CE mark  |

NOTE: \* Accuracy given @ 23°C ±5°C, 75%RH max

*Specifications are subject to change without notice. Consult Factory before ordering.*

### Ordering Information

**Model DMM 105 (2000-Count)** ..... **Cat. #MMX-DMM105**

*Includes multimeter, rubber holster, lead set with needle point test probe (red & black), 9V battery and a user manual.*

**Optional Accessories: Carry Case – Accessory No. 20** ..... **Cat. #MMX-ACC20**

*Soft padded carrying case, with compartment for lead storage, belt loop and attachment ring. Front flap with Velcro® closure. For DMMs MMX 105/110/120/140 and X1000.*



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