



# DIGITAL MULTIMETERS



|                | MM700                                                                                                                                                                                                                                                                                                                                   | MM600                                                                                                                                                                                                                                                           | MM400                                                                                                                                                                                                                                                           | MM300                                                                                                                                                                         |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | <ul style="list-style-type: none"> <li>Auto-ranging</li> <li>True root mean square (TRMS)</li> <li>10A AC/DC current</li> <li>AC/DC Voltage</li> <li>Resistance</li> <li>Continuity</li> <li>Frequency</li> <li>Duty cycle</li> <li>Capacitance</li> <li>Tests diodes</li> <li>Temperature</li> <li>Low Impedance (LoZ) mode</li> </ul> | <ul style="list-style-type: none"> <li>Auto-ranging</li> <li>10A AC/DC current</li> <li>AC/DC Voltage</li> <li>Resistance</li> <li>Continuity</li> <li>Frequency</li> <li>Duty cycle</li> <li>Capacitance</li> <li>Tests diodes</li> <li>Temperature</li> </ul> | <ul style="list-style-type: none"> <li>Auto-ranging</li> <li>10A AC/DC current</li> <li>AC/DC Voltage</li> <li>Resistance</li> <li>Continuity</li> <li>Frequency</li> <li>Duty cycle</li> <li>Capacitance</li> <li>Tests diodes</li> <li>Temperature</li> </ul> | <ul style="list-style-type: none"> <li>Manual-ranging</li> <li>10A AC current</li> <li>AC/DC Voltage</li> <li>Resistance</li> <li>Continuity</li> <li>Tests diodes</li> </ul> |
| Includes       | <ul style="list-style-type: none"> <li>Instruction Manual</li> <li>Test Leads with CATIII/CAT IV safety caps</li> <li>Thermocouple with adapter</li> <li>Alligator Clips</li> <li>2 x AAA Batteries</li> <li>Carrying Case</li> </ul>                                                                                                   | <ul style="list-style-type: none"> <li>Instruction Manual</li> <li>Test Leads with CATIII/CAT IV safety caps</li> <li>Thermocouple with adapter</li> <li>Alligator Clips</li> <li>2 x AAA Batteries</li> <li>Carrying Case</li> </ul>                           | <ul style="list-style-type: none"> <li>Instruction Manual</li> <li>Test Leads with CATIII/CAT IV safety caps</li> <li>Thermocouple with adapter</li> <li>2 x AAA Batteries</li> </ul>                                                                           | <ul style="list-style-type: none"> <li>Instruction Manual</li> <li>Test Leads with CATIII/CAT IV safety caps</li> <li>2 x AAA Batteries</li> </ul>                            |
| Standards      | CATIV 600V, CATIII 1000V CE                                                                                                                                                                                                                                                                                                             | CATIV 600V, CATIII 1000V CE                                                                                                                                                                                                                                     | CAT III 600V, CE                                                                                                                                                                                                                                                | CAT III 600V, CE                                                                                                                                                              |
| Overall Length | 7.00" (177.8 mm)                                                                                                                                                                                                                                                                                                                        | 7.00" (177.8 mm)                                                                                                                                                                                                                                                | 6.00" (152.4 mm)                                                                                                                                                                                                                                                | 6.00" (152.4 mm)                                                                                                                                                              |
| Overall Width  | 3.55" (90.1 mm)                                                                                                                                                                                                                                                                                                                         | 3.55" (90.1 mm)                                                                                                                                                                                                                                                 | 3.16" (80.4 mm)                                                                                                                                                                                                                                                 | 3.16" (80.4 mm)                                                                                                                                                               |
| Overall Depth  | 2.09" (53.2 mm)                                                                                                                                                                                                                                                                                                                         | 2.09" (53.2 mm)                                                                                                                                                                                                                                                 | 1.78" (45.2 mm)                                                                                                                                                                                                                                                 | 1.78" (45.2 mm)                                                                                                                                                               |
| Weight         | 0.90 lb (0.41 kg)                                                                                                                                                                                                                                                                                                                       | 0.90 lb (0.41 kg)                                                                                                                                                                                                                                               | 0.51 lb (0.23 kg)                                                                                                                                                                                                                                               | 0.51 lb (0.23 kg)                                                                                                                                                             |

| FEATURES               | MM700                         | MM600                         | MM400                         | MM300                  |
|------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|
| Drop Protection        | 6.6' (2 m)                    | 6.6' (2 m)                    | 3.3' (1 m)                    | 3.3' (1 m)             |
| Ingress Protection     | IP42                          | IP42                          | —                             | —                      |
| Safety                 | CAT IV 600V<br>CAT III 1000V  | CAT IV 600V<br>CAT III 1000V  | CAT III 600V                  | CAT III 600V           |
| AC Voltage (Volts)     | 1000V                         | 1000V                         | 600V                          | 600V                   |
| DC Voltage (Volts)     | 1000V                         | 1000V                         | 600V                          | 600V                   |
| AC Current (Amps)      | 10A                           | 10A                           | 10A                           | 10A                    |
| DC Current (Amps)      | 10A                           | 10A                           | 10A                           | —                      |
| Ohms (Resistance)      | 40MΩ                          | 40MΩ                          | 40MΩ                          | 2MΩ                    |
| DC Millivolts          | ●                             | ●                             | ●                             | ●                      |
| AC Milliamps           | ●                             | ●                             | ●                             | —                      |
| DC Milliamps           | ●                             | ●                             | ●                             | ●                      |
| AC Microamps           | ●                             | ●                             | ●                             | —                      |
| DC Microamps           | ●                             | ●                             | ●                             | ●                      |
| True RMS               | ●                             | —                             | —                             | —                      |
| Audible Continuity     | ●                             | ●                             | ●                             | ●                      |
| Backlight              | ●                             | ●                             | ●                             | —                      |
| Temperature            | 0° – 1500°F<br>(-18° – 816°C) | 0° – 1000°F<br>(-18° – 538°C) | 0° – 1000°F<br>(-18° – 538°C) | —                      |
| Low Impedance          | ●                             | —                             | —                             | —                      |
| Auto Ranging           | ●                             | ●                             | ●                             | —                      |
| Range Hold             | ●                             | ●                             | ●                             | —                      |
| Data Hold              | ●                             | ●                             | ●                             | ●                      |
| Diode Test             | ●                             | ●                             | ●                             | ●                      |
| Capacitance Test       | 4000 μF                       | 1000 μF                       | 200 μF                        | —                      |
| Frequency / Duty Cycle | 1Hz – 500 KHz                 | 1Hz – 500 KHz                 | 1Hz – 50 KHz                  | —                      |
| Max / Min              | ●                             | ●                             | ●                             | —                      |
| Lead Warning           | ●                             | ●                             | —                             | —                      |
| Bar Graph              | ●                             | —                             | —                             | —                      |
| Magnetic Mount         | Available As Accessory        | Available As Accessory        | Available As Accessory        | Available As Accessory |
| Auto-Power Off         | ●                             | ●                             | ●                             | —                      |
| Battery Test           | —                             | —                             | —                             | ●                      |
| LCD Display Count      | 4000                          | 4000                          | 4000                          | 2000                   |

Specifications subject to change.

MM080520 Rev 08/20 A

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