

DIGITAL MULTIMETERS



	FEATURES	MM300	MM400	MM600	MM700
If you require, test or measure...	Durability				
...Jobsite durability - Surviving a drop or a fall	Drop Protection	3.3 ft. (1 m)	3.3 ft. (1 m)	6.6 ft. (2 m)	6.6 ft. (2 m)
...Jobsite durability - Resistance to dust and water	Ingress Protection	—	—	IP42	IP42
...Jobsite safety - CAT III for electric panels, CAT IV for outside wiring	Safety	CAT III 600V	CAT III 600V	CAT IV 600V	CAT IV 600V
...AC outlets, electrical panels, or electrical devices	AC Voltage (Volts)	600V	600V	1000V	1000V
...DC motors, or automotive/marine batteries	DC Voltage (Volts)	600V	600V	1000V	1000V
...Current measurements in electrical panels or wires drawn by appliances	AC Current (Amps)	—	10A	10A	10A
...Current drawn by DC motors	DC Current (Amps)	10A	10A	10A	10A
...Resistors to ensure that specifications are correct	Ohms (Resistance)	2MΩ	40MΩ	40MΩ	40MΩ
...Low AC voltage	AC Millivolts	—	•	—	—
...Troubleshooting electronics	DC Millivolts	•	•	•	•
...PCB/PWB and LED electronics	AC Milliamps	—	•	•	•
...Industrial automation signals	DC Milliamps	•	•	•	•
...Electronic sensors	AC Microamps	—	•	•	•
...Flame sensors	DC Microamps	•	•	•	•
...Electrical properties of circuits with non-linear loads or distorted non-sinusoidal waveforms	True RMS	—	—	—	•
...Circuit continuity or testing for open or shorted wiring faults	Audible Continuity	•	•	•	•
...Ability to work in poorly-lit areas	Backlight	—	•	•	•
...Temperature of motors, devices, air vents, etc	Temperature	—	0° – 1000°F (-18° – 538°C)	0° – 1000°F (-18° – 538°C)	0° – 1500°F (-18° – 816°C)
...Identify and eliminate stray or ghost voltages	Low Impedance	—	—	—	•
...Improved efficiency and speed when making measurements	Auto Ranging	—	•	•	•
...Forcing the meter to measure with a particular resolution	Range Hold	—	•	•	•
...Saving the value to the display following the measurement	Data Hold	•	•	•	•
...Troubleshoot malfunctioning diodes	Diode Test	•	•	•	•
...Capacitors (such as motor run or start capacitors)	Capacitance Test	—	200 μF	1000 μF	4000 μF
...AC supply or troubleshoot variable frequency drives	Frequency / Duty Cycle	—	1Hz – 50 KHz	1Hz – 500 KHz	1Hz – 500 KHz
...Understand the variability from average of an electrical property being measured	Max / Min	—	•	•	•
...Reminders to check that leads are in the appropriate jacks	Lead Warning	—	—	•	•
...Pictorial view of a fast changing event, comparable to an analog display	Bar Graph	—	—	—	•
...Hanging meter to enable two-handed operation with test probes	Magnetic Mount	Available As Accessory	Available As Accessory	Available As Accessory	Available As Accessory
...Conserve battery life	Auto-Power Off	—	•	•	•
...Test 1.5 and 9V batteries	Battery Test	•	—	—	—
...Specific measurement resolution in lower ranges	LCD Display Count	2000	4000	4000	4000

Specifications subject to change.