

Model DMM 210 / 220 / 230 / 240

Industrial Multimeters

(Cat. IV, TRMS & Average Sensing)

6000-Count / 40,000-Count Auto and Manual Ranging



CE



- 600V Cat. IV, 1000V Cat. III, EN61010-1
- Rated IP67 (Waterproof)
- 1000V AC or DC
- Resistance to 60M Ω
- Continuity with Buzzer and Diode Test
- Capacitance, Frequency and % Duty Cycle
- Data Hold – Fuse Protected
- Auto Power OFF and Low Battery Indication
- Protective Blue Double-Overmolded Housing
- Two Lead Sets & Temperature Sensor Included

Multimetrix[®]

Electrical	DMM210	DMM 220	DMM 230	DMM 240
DC Volts				
Range	0.1mV to 1000V	0.1mV to 1000V	0.1mV to 1000V	0.01mV to 1000V
Accuracy*	0.09% ± 2cts	0.09% ± 2cts	0.09% ± 2cts	0.06% ± 2cts
AC Volts				
Range	0.001V to 1000V	0.001V to 1000V	0.001V to 1000V	0.1mV to 1000V
Accuracy*	1.0% ± 3cts			
DC Amperes				
Range**	0.1µA to 10A (20A)	0.1µA to 10A (20A)	0.1µA to 10A (20A)	0.01µA to 10ADC (20A) 0.1µA to 10AAC (20A)
Accuracy*	1.0% ± 3cts			
AC Amperes				
Range**	0.1µA to 10A (20A max)			0.01µA to 10A (20A max)
Accuracy*	1.5% ± 3cts			
Resistance (Ohms)				
Range	0.1Ω to 60.00MΩ	0.1Ω to 60.00MΩ	0.1Ω to 60.00MΩ	0.01Ω to 40,000MΩ
Accuracy*	0.3% ± 4cts			
Frequency (V)				
Range	0.001Hz to 10MHz	0.001Hz to 10.00MHz	0.001Hz to 10.00MHz	0.001Hz to 40MHz
Accuracy*	0.1% ± 2cts	0.1% ± 1ct	0.1% ± 1ct	≤40MHz: 0.1% ± 1ct
Frequency (A)				
Range	400Hz			
Accuracy*	0.5%			
Duty Cycle (V/A)				
Range	0.1 to 99.9%			
Accuracy*	1.2% ± 2cts			
4 to 20mA %				
Range	-	-	-	-25% (0mA) to +125% (24mA)
Accuracy	-	-	-	± 50cts
Capacitance				
Range	-	0.01nF to 1000µF	0.01nF to 1000µF	0.001nF to 40mF
Accuracy*	-	3.5% ± 4cts	3.5% ± 4cts	3.5% ± 10cts
Temperature - k t/c (Thermocouple included)				
°C/°F	-	-50°F to 1380°F -45°C to 750°C	-50°F to 1380°F -45°C to 750°C	-4°F to 1800°F -20°C to 1000°C
Accuracy (excluding t/c)*	-	3% ± 5cts	3% ± 5cts	1.00% ± 4.5 °F / 2.5°C
Other Functions				
TRMS	-	-	Yes	Yes
Average Sensing	Yes	Yes	-	-
Diode Test	Yes			
Continuity	Yes, w/ Buzzer < 35Ω			
Display LCD	6000-count	6000-count	6000-count	40,000-count
Bargraph	61-Segment	61-Segment	61-Segment	40-Segment
Backlight	Yes			
OverRange	Yes, "OL" displayed			
Auto-Ranging	Yes			
Manual Ranging	Yes			
Relative Zero	Yes	Yes	Yes	-
Data Hold	Yes			
Min/Max	Yes			
Peak	-	-	-	Yes
Auto-OFF	Yes, 15 minutes (may be disabled)			
Automatic Polarity	Yes, "-" displayed for Negative			

General	MMX 210	MMX 220	MMX 230	MMX 240
Operating Temperature	41° to 104°F (5° to 40°C), 80% RH Max			
Storage Temperature	-4° to 140°F (-20 to 60°C), <80% RH			
Altitude	2000m			
Battery	9V Alkaline (NEDA 1604, IEC 6LF22 or equivalent)			
Low Battery Indication	Yes			
Fuses	0.8A/1000V 10A/1000V	0.8A/1000V 10A/1000V	0.8A/1000V 10A/1000V	0.5A/1000V 10A/1000V
Warranty	One Year			
Size	7.25 x 3.25 x 2.25" (187 x 81 x 50mm)			
Weight	12.30oz (342g)			
Color	Grey w/ Blue Double-Overmolded Housing			
IP Rating	IP67 (Waterproof)			
Safety				
Rating	600V Cat IV, 1000V Cat III; EN 61010-1			

* **Accuracy:** Nominal accuracies provided. 50/60Hz in AC

** 20A max for 30 seconds and then 15 minutes off. Reduced accuracy.

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

Ordering Information

Model DMM 210 (6000-Count Average Sensing) **Cat. # 2125.60**
Includes multimeter, set of two safety leads (1.5m/5ft) with 2mm tip, set of two safety leads (1.5m/5ft) with 4mm tip (US), set of two terminal plugs, soft carrying pouch, one 9V battery, one user manual.

Model DMM 220 (6000-Count Average Sensing, Capacitance, Temperature) **Cat. #2125.61**
Includes multimeter, K-thermocouple, set of two safety leads (1.5m/5ft) with 2mm tip, set of two safety leads (1.5m/5ft) with 4mm tip (US), set of two terminal plugs, soft carrying pouch, one 9V battery, one user manual.

Model DMM 230 (6000-Count TRMS, Capacitance, Temperature) **Cat. #2125.62**
Includes multimeter, K-thermocouple, set of two safety leads (1.5m/5ft) with 2mm tip, set of two safety leads (1.5m/5ft) with 4mm tip (US), set of two terminal plugs, soft carrying pouch, one 9V battery, one user manual.

Model DMM 240 (40,000-Count TRMS, Capacitance, Temperature) **Cat. #2125.63**
Includes multimeter, K-thermocouple, set of two safety leads (1.5m/5ft) with 2mm tip, set of two safety leads (1.5m/5ft) with 4mm tip (US), set of two terminal plugs, soft carrying pouch, one 9V battery, one user manual.

NOTE: Not available for sale in the USA.



Each DMM Supplied With:

- Multimeter
- Set of Two Safety Leads (1.5m/5ft) with 2mm needle tip
- Set of Two Safety Leads (1.5m/5ft) with test probe 4mm tip
- K-type thermocouple (DMM 220/230/240)
- Set of Two Terminal Plugs for IP67
- Soft Carrying Pouch
- One 9V Battery
- User Manual

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