

AM-10

- Pocket Size Very Economical
 6 Functions, 10 Ranges
- ±4% Basic DC Accuracy
- 2" Mirrored Scale
- 2KΩ/V AC & DC Input Sensitivity
- Fuse and Diode Protection
- DC Current

- Resistance
- Decibels
- Battery Test
- 90-Day Limited Warranty

Test Leads (ML-10) and Operating Instructions Included

SPECIFICATIONS:

General

Front/Side Controls: Range selector switch, "0" Ω adjustment Movement: 90° arc, 200µA full scale Scales (5): One scale for OHMS, 2 scales for

Scales (5): One scale for OHMS, 2 scales for AC/DC, one scale for dB and Battery test Scale Length: 2"

Operating Position: Horizontal or vertical **Power:** 1.5V AA battery (not included) **Movement and Indicator Protection:** Diode and Fuse (0.5A, 250V)

Dimensions, Weight: 2.4" wide x 3.5" long x 1.1" thick (60mm x 89mm x 29mm), net weight 4oz. (113g)

DC Voltage

Ranges: 0-15, 150, 500V **Input Impedance:** 2kΩ per Volt **Rated Accuracy:** ±4% of full scale

DC Current Ranges: 0-150mA Rated Accuracy: ±4% of full scale

AC Voltage

Ranges: 0-15, 150, 500V **Input Impedance:** $2k\Omega$ per Volt **Rated Accuracy:** $\pm5\%$ of full scale

Resistance *Ranges: R x 1K 0 - 1M*Ω (full scale)

Decibels

Ranges: -20dB to +26dB on 15V AC range 0dB to +46dB on 150V AC range 10dB to +56dB on 500V AC range

Battery Test Ranges: 1.5V AA





AM-22

- General Purpose VOM
- 7 Functions, 20 Ranges
- ±4% DC Accuracy FS
- 4" Mirrored Scale
- 20KΩ/VDC, 8KΩ/VAC Input Sensitivity
- Fuse and Diode Protection
- 10 Amp DC Range

- 1000 Volts AC/DC
- Continuity Buzzer
- Battery Test
- Tilt Stand
- Anti-Skid Pads
- 90-Day Limited Warranty

Test Leads (ML-375), Spare Fuse and Operating Instructions Included OPTIONAL ACCESSORY - Carrying Case (MC-300) - See Page 24

SPECIFICATIONS:

General

Front Panel Controls: Range selector switch with power "OFF" position, 0 Ω adjust and mechanical zero adjuster

Movement: 90° arc, 40µA full scale **Scales (6):** One scale for OHMS, 3 scales for AC/DC, one scale for dB and one scale for battery test

Scale Length: 4"

Operating Position: Horizontal or vertical; rubber pads to prevent slipping on moderate horizontal or vertical slopes

Power: 1.5V AA (2) batteries (not included) **Movement and Indicator Protection:**

Diode and Fuse (0.5A/250V) **Dimensions, Weight:** 3.8" wide x 5.875" long x 1.5" thick (97 mm x149 mm x 38 mm),

net weight 8.2oz. (231g)

DC Voltage

Ranges: 0-2.5, 10, 50, 250, 1000V **Input Impedance:** 20kΩ per Volt **Rated Accuracy:** ±4% of full scale

DC Current

Ranges: 0-5m, 50m, 500m, 10A **Rated Accuracy:** ±4% of full scale

AC Voltage

Ranges: 0-10, 50, 250, 1000V **Input Impedance:** 8kΩ per Volt **Rated Accuracy:** ±5% of full scale

Resistance

 Ranges:

 $R \times 1$ $0 - 10K\Omega$
 $R \times 10$ $0 - 100K\Omega$
 $R \times 1K$ $0 - 10M\Omega$

 Rated Accuracy:
 $\pm 4\%$ of arc

Decibels

Ranges:

-8dB to +22dB on 10V AC range +6dB to +36dB on 50V AC range +20dB to +50dB on 250V AC range +32dB to +62dB on 1000V AC range

Continuity Test

Buzzer Response: <100Ω **Response Time:** Instant

Battery Test Ranges: 1.5V, 9V





AM-30

• Our Top Of The Line Analog Meter Full Function Temperature Measurement

- 3% DC Accuracy FS
- 5" Mirrored Scale
- 30KΩ/V DC. 10KΩ/V AC **Input Sensitivity**
- Fuse and Diode Protection
- 10 Amp DC Range

- 1000 Volts AC/DC
- Transistor Test
- Battery Test
- Continuity Buzzer
- Tilt Stand/Carrying Handle
- 90-Day Limited Warranty

Test Leads (ML-43), Temperature Probe (TC-30), Fuse and Operating Instructions Included OPTIONAL ACCESSORY - Carrying Case (MC-30) - See Page 24

SPECIFICATIONS:

General

Front Panel Controls: Range selector switch with "OFF" position, 0Ω adjust/ temperature calibration, 0Ω calibration switch Movement: 90° arc, 25µA movement

Scales (8): One scale for OHMS, three scales for AC/DC, one scale for dB, two scales for temperature, one scale for battery test

Scale Length: 5"

Operating Position: Horizontal or vertical: rubber pads to prevent slipping on moderate horizontal slopes

DC Voltage

Ranges: 0-0.6, 3, 12, 60, 300, 1000V Input Impedance: $30k\Omega$ per Volt Rated Accuracy: ±3% of full scale

DC Current

4

Ranges: 120µ, 13m, 30m, 300m, 10A Rated Accuracy: ±3% of full scale

Power: 9V (NEDA 1604) and 1.5V AA (2) batteries (not included) **Movement and Indicator Protection:**

Fuse (0.5A, 250V)

Operating Temperature: 18°C to 25°C for rated accuracy

Dimensions, Weight: 4.8" wide x 6.9" long x 1.9" thick (127mm x 175mm x 48mm), net weight 14oz. (422g)

AC Voltage

Ranges: 0-12, 30, 120, 300, 1000V Input Impedance: $10k\Omega$ per Volt Rated Accuracy: ±4% of full scale

Resistance

Ranges: Rx1 $0-5k\Omega$ R x 100 $0-500k\Omega$ $0-5M\Omega$ Rx1k $0-50M\Omega$ R x 10k Rated Accuracy: 3° arc

Decibels

Ranges:

-10dB to +24dB on 12V AC range -2dB to +32dB 8dB to +44dB20dB to +52dB 30dB to +62dB OdB referenced to 1 milliwatt at 600Ω

Temperature

Ranges: -50°C to +260°C (-60°F to +400°F)

Battery Test Ranges: 1.5V AA, 9V







FET-43

- Very High Input Impedance
- Excellent Trouble Shooting Tool
- 5 Functions, 43 Ranges
- 4.5" Meter Scale
- ±2.5% DC accuracy FS
- 10MΩ DC, 1MΩ AC **Input Resistance**
- FET Input
- Jeweled Meter Movement
- Overload Protection ⁺

- Polarity Reversing Switch *
- Zero Center Scale Adjustment
- Low Battery Indicator
- Metal Tilt Stand
- 1-Year Limited Warranty

Battery, Test Leads (ML-43) and Operating Instructions Included

SPECIFICATIONS:

General

Front Panel Controls: Range selector switch, power on-off switch, with operational LED, polarity reverse switch, "0" Ω ADJ, Center "0" ADJ

Movement: Jeweled pivots, 90° arc. 44µA full scale

Scales (9): Ω DC V•A, AC RMS, AC peak to peak (2), ±DC V•A (center null), AC 12 A, DC 0.1µA, dB

Scale Length: 4.5"

*Polarity Reverse Switch: DC and Ω ranges (Reverses meter movement only. Does not reverse test lead polarity.)

DC Voltage

Ranges: 0-0.3, 1.2, 3.0, 120, 300, 1200V, 0-±1.5, 0.6, 6, 15, 60, 150, 600V at Center 0

Input Impedance: Approx. $10M\Omega$, $3M\Omega$ on 300 mV range

Rated Accuracy: ±2.5% DC and ±3.5% AC of full scale on all ranges

DC Current

Ranges: 0-0.1µA, 0.3, 3, 30, 300mA, 12A Potential Drop: 300mV Rated Accuracy: Within ±2.5% full scale on all ranges

Operating Position: Horizontal or vertical, rubber pads to prevent slipping on moderate slopes Power: 1.5V AA (2) and 9V (NEDA 1604) batteries

Movement and Indicator Protection: Double FET protection and fuse (2A/250V)

Operating Temperature: 25°C (75°F) rated accuracy, less than 4% additional error over the range of -4°C (25°F) to 50°C (130°F)

Dimensions, Weight: 5" wide x 6.75" long x 2" thick (125mm x 170mm x50mm), net weight 17oz. (480g)



AC Voltage

Ranges: RMS 0-3, 12, 30, 120, 300, 1200V, peak to peak, 0-8.4, 33, 84, 330, 840, 3300RMS, 1200V (peak to peak 3300V) on separate jack

Input Impedance: Approx. 1MΩ, 800pF; 2.5M Ω on 3V range

Rated Accuracy: 50Hz - 5MHz ±3% 30Hz - 10MHz ±1dB sine wave 30Hz - 1MHz ±1dB rectangular wave at 3V range only 30Hz - 3MHz ±5% sine wave 30Hz - 120MHz ±5% rectangular on all other ranges except 3V

dB: -10dB - +63dB on AC ranges

AC Current

Ranges: 0-12A, within ± 3.5% full scale. DC, AC,12 Amp range on separate jack

Resistance

Ranges:

Rx1 0 - 1KΩ (Center 10) $0 - 10K\Omega$ (Center 100Ω) R x 10 $0 - 100K\Omega$ (Center $1K\Omega$) R x 100 $0 - 1M\Omega$ (Center $10K\Omega$) R x 1K R x 10K $0 - 10M\Omega$ (Center 100K Ω) R x 1M $0 - 1000M\Omega$ (Center $10M\Omega$)

Accuracy: ±2.5° of arc

[†] Does not apply to 12 Amp range. Damage to meter or injury to operator can occur if voltage or excessive current is applied to 12 Amp. input.





Pocket Digital Multimeter

DM-15

Use For: • Home • Office • Factory Boat School • Car

- Autoranging
- Auto Power OFF
- Bar Graph
- 3 1/2 Digit LCD, 0.35" H
- 3200 Count
- 10MΩ Input Z
- Data Hold

- Range Hold
- Diode Test
- Audible Continuity Test
- 32MΩ FS
- Overload Protection
- 1-Year Limited Warranty

Batteries, Test Leads, Carrying Case and Operating Instructions Included

SPECIFICATIONS:

General

Display: 3.5 Digit LCD, 0.35" high, with polarity indicator

Overrange Indication: "OL" is displayed Auto Power Off: Approx. 10 min. after mode or function change

Measurement Rate: 2 times per second Operating Environment: 0°C to 40°C, <70% relative humidity

Storage Environment: -20°C to 60°C, <80% relative humidity Power: 1.5V button-type batteries (2) IEC LR-44, NEDA 1166A Low Battery Indicator: "B" is displayed. Dimensions, Weight: 2.2" wide x 4.4" long x .41" thick (56mm x 111.5mm x 10.5mm),

Resistance

Range	Resolution	Accuracy
<i>320</i> Ω	100m Ω	$\pm 2\%$ of rdg $\pm 4D$
<i>3.2K</i> Ω	1Ω	±2% of rdg ±2D
32KΩ	1 <i>0</i> Ω	±2% of rdg ±2D
320KΩ	<i>100</i> Ω	±2% of rdg ±2D
<i>3.2M</i> Ω	1 <i>Κ</i> Ω	±5% of rdg ±5D
32MΩ	1 <i>0K</i> Ω	±10% of rdg ±2D
Input Protection: 450V DC or 320 AC rms		

Continuity Test (Audible)

Resistance Range: 320Ω Beeper Response: $<20\Omega$

Diode Test Voltage: 3.2V @ 0.6mA



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net weight 3oz. (86g)

DC Voltage

Range	Resolution	Accuracy	
320mV	100µV	$\pm 2\%$ of rdg $\pm 2D$	
3.2V	1mV	$\pm 1\%$ of rdg $\pm 2D$	
32V	10mV	±2% of rdg ±2D	
320V	100mV	$\pm 2\%$ of rdg $\pm 2D$	
450V	1V	$\pm 2\%$ of rdg $\pm 2D$	
Innut Impedance: mV – >1000MO ·			

 $3.2V = 11M\Omega$. $10M\Omega$ all other ranges Maximum Input: 450V DC

AC Voltage Resolution Accuracy Range ±3% of rdg ±5D 3.2V 1mV 10mV ±3% of rdg ±5D 32V ±3% of rdg ±5D 320V 100mV Input Impedance: $3.2V = 11M\Omega$, $10M\Omega$ all

other ranges Maximum Input: 320V AC rms Frequency Range: 50/60Hz



DM-21

Low Cost General Purpose

- Transistor h_{FE}
- Diode Test
- LED Test
- Square Wave Generator
- 7 Functions, 11 Ranges
- 0.8% Basic DC Accuracy
- 3 1/2 Digit LCD, 0.55" H

- \bullet Low Power Ω
- Overload Protection
- RF Shielded
- Polarity Indicator
- Low Battery Indicator
- Tilt Stand
- 1-Year Limited Warranty

Battery, Test Leads (ML-375) and Operating Instructions Included OPTIONAL ACCESSORY - Carrying Case (MC-50) - See Page 24

SPECIFICATIONS:

General

Display: 3 1/2 Digit LCD, 0.55" high, with polarity Overrange Indication: "1" or "–1" is displayed. Measurement Rate: 2.5 times per second Operating Environment: 0°C to 50°C, <70% relative humidity

Storage Environment: -20°C to 60°C, <80% relative humidity with battery removed

DC Voltage

Range	Resolution	Accuracy
2V	1mV	$\pm 0.8\%$ of rdg $\pm 1D$
20V	10mV	±0.8% of rdg ±1D
200V	100mV	±0.8% of rdg ±1D
600V	1V	±0.8% of rdg ±1D

Input Impedance: 1MΩ on all ranges. Maximum Input: 600V DC or 500AC rms.

AC Voltage

 Range
 Resolution
 Accuracy

 200V
 100mV
 ± 1.5% of rdg ±4D

 500V
 1V
 ± 1.5% of rdg ±4D

 Input Impedance: 450KΩ on all ranges.
 Naximum Input: 600V DC or 500AC rms.

 Frequency Range: 50Hz - 500Hz.
 500Hz.

Power: 9V carbon zinc battery (NEDA 1604) **Battery Life:** 150 hours typical with carbon zinc cells

Low Battery Indicator: Symbol is displayed Dimensions, Weight: 2.8" wide x 6" long x 1.5" thick (70mm x 151mm x 38mm), net weight 7oz. (200g)

Resistance Range **Resolution** Accuracy 200Ω 0.1Ω ±1.5% of rdg ±3D 2KΩ ±1.5% of rdg ±3D 1Ω 20KΩ 10Ω $\pm 1.5\%$ of rdg $\pm 3D$ 200KΩ 100Ω ±1.5% of rdg ±3D $2M\Omega$ 1*Κ*Ω $\pm 1.5\%$ of rdg $\pm 3D$ Overload Protection: 500V DC or 350AC rms

Transistor h_{FE} Test (PNP, NPN)

Test Condition: 10μA Base Current @ <3.5V h_{FE} Range: 0 - 1000

Diode Test

Voltage: <3.5V @ 1mA ±0.6mA



LED Test Voltage: <3.5V @ 10mA ±0.6mA

Generator

Waveform: Square Frequency: 50Hz approx Output: ±3 to -0.5V DC, 50% Duty Cycle Impedance: 120KΩ





DM-38A

Multifunction DMM Heavy Duty 3 3/4 Digit, 0.5" H Peak Data Hold

- Frequency Counter
- Capacitance Test
- Logic Detector
- 20A AC/DC
- 0.5% Basic DC Accuracy
- 40MΩ Full Scale
- Transistor h_{FF} Test
- Diode Test
- Audible Continuity Test
- **20M** Ω Input **Z**

Battery, Test Leads and Operating Instructions Included OPTIONAL ACCESSORY - Carrying Case (MC-300) - See Page 24

SPECIFICATIONS:

General

Display: 3 3/4 Digit LCD, 0.5" high, with polarity indicator (4,000 count)

Overrange Indication: "OL" is displayed **Measurement Rate:** 3 times per second **Operating Environment:** 0°C to 50°C, <70%

relative humidity **Storage Environment:** -20°C to 60°C, <80% relative humidity with battery removed

Power: 9V carbon zinc battery (NEDA 1604)

DC Voltage

Range	Resolution	Accuracy
400mV	100µV	±0.5% of rdg ±1D
4V	1mV	±0.5% of rdg ±1D
40V	10mV	±0.5% of rdg ±1D
400V	100mV	±0.5% of rdg ±1D
1000V	1V	$\pm 0.5\%$ of rdg $\pm 1D$

Input Impedance: 20M Ω on all ranges

Overload Protection: 500V DC/350V AC for 15 sec. on 400mV range; 1,100V DC/800V AC on all other ranges

DC Current

Range	Resolution	Accuracy
40mA	10µA	$\pm 1\%$ of rdg $\pm 1D$
400mA	100µA	$\pm 1\%$ of rdg $\pm 1D$
20A	10mA	±2% of rdg ±3D

Overload Protection: mA input 0.8A/250V fuse; 20A input (unfused), up to 20A for 15 seconds

AC Voltage

8

Range	Resolution	Accuracy
400mV	100µV	$\pm 1\%$ of rdg $\pm 4D$
4V	1mV	$\pm 1\%$ of rdg $\pm 4D$
40V	10mV	$\pm 1\%$ of rdg $\pm 4D$
400V	100mV	$\pm 1\%$ of rdg $\pm 4D$
750V	1V	$\pm 1.5\%$ of rdg $\pm 4D$

Input Impedance: 20MΩ on all ranges Overload Protection: 500V DC/350V AC for 15 sec. on 400mV range; 1,100V DC/800V AC on all other ranges

Frequency Range: 50 - 500Hz

Overload Protection RF Shielded

- Lo Power Ohms
- Tilt Stand
- Polarity Indicator
- Overrange Indicator
- Low Battery Indicator
- 1-Year Limited Warranty

Battery Life: 150 hours typical with carbon zinc cells

Low Battery Indicator: Display indicates "B" Dimensions, Weight: 3.3" wide x 6.3" long x 1" thick (84mm x 160mm x 25mm), net weight 9oz. (250g)

Peak Data Hold: When the Peak Hold function is engaged, the maximum reading is shown on the display until a higher reading is recorded or power to the meter is removed

AC Current

Range	Resolution	Accuracy
40mA	10µA	±1.2% of rdg ±4D
400mA	100µA	$\pm 1.2\%$ of rdg $\pm 4D$
20A	10mA	$\pm 2\%$ of rdg $\pm 4D$
Overload	Protection: mA	input, 0.8A/250V fuse;

20A input (unfused), up to 20A for 15 seconds

Resistance

Range	Resolution	Accuracy
400Ω	0.1Ω	$\pm 1\%$ of rdg $\pm 3D$
4KΩ	1Ω	$\pm 0.8\%$ of rdg $\pm 1D$
<i>40K</i> Ω	10Ω	±0.8% of rdg ±1D
400KΩ	<i>100</i> Ω	$\pm 0.8\%$ of rdg $\pm 1D$
<i>4Μ</i> Ω	1 <i>Κ</i> Ω	$\pm 0.8\%$ of rdg $\pm 1D$
<i>40Μ</i> Ω	10KΩ	$\pm 3\%$ of rdg $\pm 3D$
<i>400Μ</i> Ω	1 <i>Μ</i> Ω	±5% of rdg -10D, +4D
Overland	Protoction: 50	OV DC/AC = 10 seconds

Overload Protection: 500V DC/AC, 10 seconds

Capacitance

Range	Resolution	Accuracy	
4nF	1pF	±3% of rdg ±10D	
40nF	10pF	±3% of rdg ±10D	
400nF	100pF	±3% of rdg ±10D	
4μF	1nF	±3% of rdg ±10D	
40µF	10nF	±3% of rdg ±10D	
Test Frequency: 400Hz			
Test Voltage: 50mV			



Frequency Measurement

Range: 4K to 4MHz (Autorange) Accuracy: ± 1% rdg ± 2D Input Sensitivity: 50mV rms Overload Protection: 500V DC/AC

Logic Measurement

Logic Type: TTL Input Impedance: 120KΩ ±10K Logic Thresholds Logic 1: 2.4V, ±0.2V Logic 0: 0.7V, ±0.2V Frequency Response: 20MHz Detestable Pulse Width: 25ns, min. Overload Protection: 50V DC/AC

Continuity Test

Resistance Range: 400Ω Beeper Response: <50Ω Response Time: <100mSec

Transistor h_{FF} Test (PNP, NPN)

Test Condition: 10μΑ Base Current @ 2.8V h_{FF} Range: 0 - 1000

Diode Test

Voltage: 3.2V @ 1.6mA Max





Downloaded from Elcodis.com electronic components distributor

DM-50

- Low Cost-Multipurpose
- 9 Functions, 20 Ranges
- Frequency Counter
- Transistor h_{FE}
- Battery Tester
- Diode Test
- 20MΩ FS
- 10A DC
- 0.5% Basic DC Accuracy
- 3 1/2 Digit LCD, 0.55" H

- Audible Continuity Test
- 10M Ω Input Z
- Low Power Ω
- Overload Protection
- RF Shielded
- Tilt Stand
- 1-Year Limited Warranty

Battery, Test Leads (ML-375), Spare Fuse and Operating Instructions Included OPTIONAL ACCESSORY - Carrying Case (MC-50) - See Page 24

SPECIFICATIONS:

General

Display: 3 1/2 Digit LCD, 0.55" high, with polarity

Overrange Indication: "OL" is displayed **Measurement Rate:** 2.5 times per second **Operating Environment:** 0°C to 50°C, <70% relative humidity

Storage Environment: -20°C to 60°C, <80% relative humidity with battery removed

DC Voltage

Range	Resolution	Accuracy
200mV	100µV	±0.5% of rdg ±1D
2V	1mV	±0.5% of rdg ±1D
20V	10mV	±0.5% of rdg ±1D
200V	100mV	±0.5% of rdg ±1D
600V	1V	$\pm 0.5\%$ of rdg $\pm 1D$

Input Impedance: $10M\Omega$ on all ranges Maximum Input: 600V DC or AC rms

DC Current

Range	Resolution	Accuracy
2mA	1μΑ	$\pm 1\%$ of rdg $\pm 1D$
20mA	10µA	$\pm 1\%$ of rdg $\pm 1D$
200mA	100mA	$\pm 1\%$ of rdg $\pm 1D$
10A	10mA	$\pm 3\%$ of rdg $\pm 1D$
Overload	Protection: mA	input, 0.5A/250V fuse;
10A input	10/600V fuse	

Power: 9V carbon zinc battery (NEDA 1604) **Battery Life:** 150 hours typical with carbon zinc cells

Low Battery Indicator: Symbol is displayed. Dimensions, Weight: 2.8" wide x 6" long x 1.5" thick (70mm x 151mm x 38mm), net weight 7oz. (200g)

AC Voltage

 Range
 Resolution
 Accuracy

 200V
 100mV
 ±1.5% of rdg ±4D

 600V
 1V
 ±1.5% of rdg ±4D

 Input Impedance: 4.5MΩ on all ranges
 Naximum Input: 600V DC or AC rms

 Frequency Range: 50Hz - 500Hz
 500Hz

Battery Tester

1.5V (Load Current Approximately 150mA) 9V (Load Current Approximately 6mA)

Resistance

Range	Resolution	Accuracy
200Ω	0.1Ω	±0.8% of rdg ±3D
2KΩ	1Ω	±0.8% of rdg ±1D
20KΩ	1 <i>0</i> Ω	±0.8% of rdg ±1D
200KΩ	<i>100</i> Ω	$\pm 0.8\%$ of rdg $\pm 1D$
2000ΚΩ	1 <i>Κ</i> Ω	±0.8% of rdg ±1D
20MΩ	1 <i>0Κ</i> Ω	$\pm 3\%$ of rdg $\pm 3D$
Overload Protection: 500V DC or 350AC rms		



Frequency Measurement

Range: 2kHz - 15MHz (Autorange) Accuracy: ± 0.1% rdg ± 1D Input Sensitivity: Trig Lo: 1 Vrms; Trig Hi: 2 Vrms Overload Protection: 500V DC or 500AC rms

Continuity Test (Audible)

Resistance Range: 2KΩ Beeper Response: <30Ω

Transistor h_{FE} Test (PNP, NPN)

Test Condition: 10μΑ Base Current @ 3.5V h_{FF} Range: 0 - 1000

Diode Test

Voltage: 2V @ 1.6mA Max





DM-59

Perfect For Workshop and School 10 Functions, 30 Ranges

- Frequency Counter
- h_{FE}
- Capacitance
- Diode Test
- 20MΩ FS
- 10A AC/DC
- 0.5% Basic DC Accuracy

- 3 1/2 Digit LCD, 0.55" H
- Audible Continuity Test
- 10MΩ Input Z
- Overload Protection
- RF Shielded
- Tilt Stand
- 1-Year Limited Warranty

Battery, Test Leads (ML-375), Spare Fuse and Operating Instructions Included OPTIONAL ACCESSORY - Carrying Case (MC-50) - See Page 24

SPECIFICATIONS:

General

Display: 3 1/2 Digit LCD, 0.55" high, with polarity

Overrange Indication: "OL" is displayed **Measurement Rate:** 2.5 times per second

Operating Environment: 0°C to 50°C, <70% relative humidity

Storage Environment: -20°C to 60°C, <80% relative humidity with battery removed

DC Voltage

Range	Resolution	Accuracy
200mV	100µV	±0.5% of rdg ±1D
2V	1mV	$\pm 0.5\%$ of rdg $\pm 1D$
20V	10mV	±0.5% of rdg ±1D
200V	100mV	±0.5% of rdg ±1D
600V	1V	±0.5% of rdg ±1D
Innut Imn	edance 10MC) on all ranges

Input Impedance: 10MS2 on all ranges Maximum Input: 600V DC or AC rms

DC Current

Range	Resolution	Accuracy
2mA	1μΑ	$\pm 1.0\%$ of rdg $\pm 1D$
20mA	10μΑ	±1.0% of rdg ±1D
200mA	100mA	±1.0% of rdg ±1D
10A	10mA	±3.0% of rdg ±1D
Overload P	Protection: mA	input, 0.5A/250V fuse

10A input 10A/600V fuse

AC Voltage

Range	Resolution	Accuracy
200mV	100µV	$\pm 1.0\%$ of rdg $\pm 4D$
2V	1mV	±1.0% of rdg ±4D
20V	10mV	$\pm 1.0\%$ of rdg $\pm 4D$
200V	100mV	±1.0% of rdg ±4D
600V	1V	$\pm 1.9\%$ of rdg $\pm 4D$
Input Impedance: 10M Ω on all ranges		

Maximum Input: 600V DC or AC rms Frequency Range: 50Hz - 500Hz **Battery Life:** 150 hours typical with carbon zinc cells **Low Battery Indicator:** Symbol is displayed

Power: 9V carbon zinc battery (NEDA 1604)

Dimensions, Weight: 2.8" wide x 6" long x 1.5" thick (70mm x 151mm x 38mm) net weight 7oz. (200g)

AC Current

Range	Resolution	Accuracy
2mA	1μΑ	±2.0% of rdg ±4D
20mA	10µA	±2.0% of rdg ±4D
200mA	100mA	±2.0% of rdg ±4D
10A	10mA	±3.5% of rdg ±4D
Overload P	Protection: mA	input, 0.5A/250V fuse

10A input 10A/250 fuse

Resistance

Range	Resolution	Accuracy	
200Ω	0.1Ω	±0.8% of rdg ±3D	
<i>2K</i> Ω	1Ω	±0.8% of rdg ±1D	
20ΚΩ	<i>10</i> Ω	±0.8% of rdg ±1D	
200ΚΩ	<i>100</i> Ω	±0.8% of rdg ±1D	
2000ΚΩ	1 <i>Κ</i> Ω	±0.8% of rdg ±1D	
20MΩ	10KΩ	$\pm 3\%$ of rdg $\pm 3D$	
Overload Protection: 500V DC or AC rms			

Capacitance

Range	Resolution	Accuracy
2000pF	1pF	±2.0% of rdg ±10D
20nF	10pF	±2.0% of rdg ±10D
200nF	100pF	±2.0% of rdg ±10D
2μF	1nF	±2.0% of rdg ±10D
20µF	10nF	±2.0% of rdg ±10D
Test Frequency: 2.5Hz		
Test Volta		



Frequency Measurement

Range: 2kHz - 15MHz (Autorange) Accuracy: ±0.1% rdg ±1D Input Sensitivity: Trig Lo: 1 Vrms; Trig Hi: 2 Vrms Overload Protection: 500V DC or AC rms

Continuity Test (Audible)

Resistance Range: 200Ω Beeper Response: <40Ω

Transistor hFE Test (PNP, NPN)

Test Condition: 10μA Base Current @ <3.5V h_{FF} Range: 0 - 1000

Diode Test

Voltage: 2V @ 1.6mA Max



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DM-75

- Low Cost
- Full Function General Purpose
- Rotary Range Switch
- Diode Test
- 0.7% Basic DC Accuracy
- 3 1/2 Digit LCD, 0.5" H
- 10A DC

- 10MΩ Input Impedance, DC
- Overload Protection
- Pocket Size
- 90-Day Limited Warranty

Battery, Test Leads and Operating Instructions Included OPTIONAL ACCESSORY - Carrying Case (MC-50) - See Page 24

SPECIFICATIONS:

General

Display: 3 1/2 Digit LCD, 0.5" high, with polarity indicator **Overrange Indication:** 3 least significant

digits blanked **Operating Environment:** 0°C to 50°C, <80% relative humidity

Storage Environment: -15°C to 50°C

Power: 9V alkaline or carbon zinc battery **Battery Life:** 100 hours typical with

with alkaline cells **Dimensions, Weight:** 2.8" wide x 5" long x 1" thick (71mm x 127mm x 25.4mm), net weight 6.1oz. (173g)

carbon zinc cells, 200 hours typical

DC Voltage

Range	Resolution	Accuracy
200mV	0.1mV	±0.7% of rdg ±4D
2000mV	1mV	±0.7% of rdg ±2D
20V	10mV	±0.7% of rdg ±2D
200V	100mV	±0.7% of rdg ±2D
1000V	1V	±0.7% of rdg ±2D

Input Impedance: $10M\Omega$ on all ranges

DC Current

Range	Resolution	Accuracy
200µA	0.1μΑ	\pm 1% of rdg \pm 2D
2000µA	1µÅ	\pm 1% of rdg \pm 2D
20mA	10μΑ	\pm 1% of rdg \pm 2D
200mA	100µA	± 1.2% of rdg ± 2D
2000mA	1mA	\pm 1.5% of rdg \pm 2D
10A	10mA	± 1.5% of rdg ± 2D
<u> </u>		

Overload Protection: mA input, 2A/250V fuse; 10A input (unfused) up to 10A for 15 seconds

ECG

AC Voltage

Range	Resolution	Accuracy
200V	100mV	±1.2% of rdg ±10D
750V	1V	±1.2% of rdg ±10D
Overload Protection: 750V rms		
Frequency Range: 45Hz - 450Hz		

Resistance

Range	Resolution	Accuracy
200Ω	0.1Ω	±0.7% of rdg ±2D
2000Ω	1Ω	±0.7% of rdg ±2D
20KΩ	<i>10</i> Ω	±0.7% of rdg ±2D
200ΚΩ	<i>100</i> Ω	±0.7% of rdg ±2D
2000ΚΩ	1 <i>Κ</i> Ω	$\pm 1\%$ of rdg $\pm 2D$

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Diode Test

Voltage: 2.8V @ 1mA



DM-78A

Heavy Duty, Ideal For Plant/ Industrial Maintenance

- Water Resistant (0-Ring Seals)
- Withstands 5' Drop
- Protective Holster (MH-350)
- Large Display Window
- 3200 Count LCD, .55" H
- 65 Segment Analog Bar Graph
- 0.5% Basic DC Accuracy
- Auto Power Off

- 10MΩ Input Z
- "No Hand" Data Hold
- Input Warning Beeper*
- 20A AC/DC Fused
- Diode Test
- Instant Continuity Beeper
- Overload Protection
- 1-Year Limited Warranty

Batteries, Test Leads (ML-375), and Operating Instructions Included OPTIONAL ACCESSORY - Carrying Case (MC-300) - See Page 24

SPECIFICATIONS:

General

DC Voltage

0.1mV

1mV

10 mV

100mV

0.1µA

1μΑ

10uA

100µA

10mA

Overload Protection: 1100VpK (15 sec.)

Resolution Accuracy

Overload Protection: μA , mA = 1A 240/250V,

20A = 13A 240/250V (readings over 10A max.,

Voltage Drop: 200mV on 300µA, 30mA ranges;

1V

Input Impedance: $10M\Omega$

Range

300mV

31/

30V

300V

1000V

Range

300µA

3mA

30mA

20A

300mA

30 sec.)

2V all others

DC Current

Display: 3200 count LCD, 65 segment bar graph, 0.55" high, with polarity

Auto Power Off: Approx. 10 min. after mode or function change

Overrange Indication: "OL" is displayed **Operating Environment:** 0°C to 50°C, <80% relative humidity

Storage Environment: -20°C to 60°C, <80% relative humidity with battery removed

Temperature Coefficient: (0°C to 18°C and 28°C to 50°C), less than 0.15 x applicable accuracy specification per second

Resolution Accuracy

±0.5% of rdg ±2D

 $\pm 0.5\%$ of rdg $\pm 2D$

±0.5% of rdg ±2D

±0.5% of rdg ±2D

±0.5% of rdg ±2D

 $\pm 1\%$ of rdg $\pm 2D$

 $\pm 1\%$ of rdg $\pm 2D$

 $\pm 2\%$ of rdg $\pm 3D$

±1.2% of rdg ±2D

 $\pm 1.2\%$ of rdg $\pm 2D$

Measurement Rate: Digital 2 times per second, analog 12 times per second Power: 1.5V AAA (2) alkaline or carbon zinc batteries

Battery Life: 1000 hours with alkaline cells Low Battery Indicator: Symbol is displayed Fuse: 1A 240/250V Fast

Dimensions, Weight: 3.3" wide x 6.9" long x 1.2" thick (84mm x 175mm x 31mm), net weight 12oz. (340g)

AC Voltage

	•	
Range	Resolution	Accuracy
3V	1mV	±1.3% of rdg ±5D
30V	10mV	±1.3% of rdg ±5D
300V	100mV	±1.3% of rdg ±5D
750V	1V	±1.3% of rdg ±5D
Fraguand	Dongo, 21/ or	104- 2004-

Frequency Range: 3V on 40Hz - 300Hz; 40Hz - 500Hz all others

Input Impedance: $10M\Omega$ on all ranges Overload Protection: 770V AC RMS or 1100Vpk (15 sec.)

AC Current

Range	Resolution	Accuracy
300µA	0.1μΑ	±1.5% of rdg ±3D
3mA	1µA	±1.5% of rdg ±3D
30mA	10μΑ	±1.5% of rdg ±3D
300mA	1 <i>00µA</i>	$\pm 2\%$ of rdg $\pm 3D$
20A	10mA	±2.5% of rdg ±5D
Fragues	Dongo. 1011-	500U-

Frequency Range: 40Hz - 500Hz

Overload Protection: μA , mA = 1A 240/250V, 20A = 13A 240/250V (readings over 10A max., 30 sec.)

Voltage Drop: 200mV on 300µA, 30mA ranges; 2V all others



WATER RE

Range **Resolution Accuracy** (Lo-Power Ω) .3

300Ω	0.7Ω	$\pm 1\%$ of rdg $\pm 4D$
3KΩ	1Ω	±0.75% of rdg ±2D
<i>30K</i> Ω	1 <i>0</i> Ω	±0.75% of rdg ±2D
300KΩ	100Ω	±0.75% of rdg ±2D
<i>3Μ</i> Ω	1 <i>Κ</i> Ω	$\pm 1.5\%$ of rdg $\pm 3D$
<i>30Μ</i> Ω	10K Ω	$\pm 2.5\%$ of rdg $\pm 5D$
	~	

Lo-Power Ω open circuit 1.3V Overload Protection: 600VDC or 600V AC RMS (10 sec.)

Diode Test

Voltage: 3.3V @ 1.5mA max

Continuity Test

Beeper Response: $<50\Omega$ Response Time: Instant Delay Hold: Allows "No-Hand" data hold operation

* Input Warning Beeper: Eliminates incorrect test lead placement and selector switch settings



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DM-80

Heavy Duty, Ideal For Plant/Industrial Maintenance Autoranging 11 Functions, 39 Ranges

- 0.3% Basic DC Accuracy
- 42 Segment Bar Graph
- 4000 Count LCD
- Min./Max.
- Data Hold
- Memory
- Capacitance

- Frequency
- Temperature
- Diode Test
- Audible Continuity Test
- Overload Protection
- 1-Year Limited Warranty

Battery, Test Leads (ML-375), Thermocouple (TC-50P), Protective Holster and Operating Instructions Included OPTIONAL ACCESSORY - Carrying Case (MC-80) - See Page 24

SPECIFICATIONS:

General

DC Voltage

Range

400mV

4V

40V

400V

1000V

Range

4mĂ

40mA

10A

400mA

DC Current

4000mA 1mA

10A = Unfused

AC Voltage

Range

4V

40V

400V

750V

Display: 3 3/4 Digit LCD with polarity indicator, 42 segment bar graph, .5" high

Auto Power Off: 30 minutes

0.1mV

1mV

10mV

100mV

0.001mA

0.01mA

0.1mA

0.01A

1mV

10mV

1V

100mV

Input Impedance: $10M\Omega$ on all ranges Overload Protection: 1000V pk (10 sec.)

Overload Protection: mA = 2A/250V.

Overload Protection: 1000V pk (10 sec.)

Resolution Accuracy

Resolution Accuracy

1V

Overrange Indication: Most significant digit blinks

Operating Environment: 0°C to 40°C, <80% relative humidity

Storage Environment: -20°C to 60°C, <70% relative humidity

Resolution Accuracy

±0.3% of rdg ±1D

 $\pm 0.3\%$ of rdg $\pm 1D$

±0.3% of rdg ±1D

±0.3% of rdg ±1D

±0.3% of rdg ±3D

±1.5% of rdg ±2D

±1.5% of rdg ±2D

±1.5% of rdg ±2D

±1.5% of rdg ±2D

 $\pm 1.2\%$ of rdg $\pm 5D$

 $\pm 1.2\%$ of rdg $\pm 5D$

±1.2% of rdg ±5D

±1.2% of rdg ±5D

 $\pm 2\%$ of rdg $\pm 2D$

Measurement Rate: Digital 2 times per second, bargraph 20 times per second, capacitance

1 time per second

Power: 9V alkaline or carbon zinc battery (NEDA 1604)

Battery Life: 500 hours typical with alkaline cells Fuse: 2A/250V

Dimensions, Weight: 3.25" wide x 7" long x 1.25" thick (82.6mm x 177.8mm x 31.8mm), net weight 11.5oz. (326g)

AC Current

Range	Resolution	Accuracy	
4mA	0.001 <i>mA</i>	$\pm 2\%$ of rdg $\pm 5D$	
40mA	0.01mA	$\pm 2\%$ of rdg $\pm 5D$	
400mA	0.1 <i>mA</i>	$\pm 2\%$ of rdg $\pm 5D$	
2000mA	1mA	$\pm 2\%$ of rdg $\pm 5D$	
10A	0.01A	±2% of rdg ±5D	
Frequency Range: 50Hz - 500Hz			
Overload Protection: $mA = 2A/250V$,			
10A = Unfused			

Resistance

Range	Resolution	Accuracy
400Ω	0.1Ω	$\pm 1\%$ of rdg $\pm 2D$
4KΩ	1Ω	±0.7% of rdg ±2D
40KΩ	1 <i>0</i> Ω	±0.7% of rdg ±2D
400KΩ	1 <i>00</i> Ω	±0.7% of rdg ±2D
$4M\Omega$	1 <i>Κ</i> Ω	±0.7% of rdg ±2D
$40M\Omega$	1 <i>0Κ</i> Ω	$\pm 2\%$ of rdg $\pm 5D$
Overland	Drataction: 250	VDC or pook AC 10 oo

Overload Protection: 250V DC or peak AC, 10 sec.

Capacitance

oupuonunoo		
Range	Resolution	Accuracy
4nF	0.001nF	±5% of rdg ±2D
40nF	0.01nF	±5% of rdg ±2D
400nF	0.1nF	$\pm 5\%$ of rdg $\pm 2D$
4μF	1nF	±5% of rdg ±2D
40µF	10nF	$\pm 5\%$ of rdg $\pm 2D$



Frequency Measurement

Range	Resolution	Accuracy
100Hz	0.001Hz	$\pm 1\%$ of rdg $\pm 10D$
1000Hz	0.1Hz	$\pm 1\%$ of rdg $\pm 10D$
10kHz	1Hz	$\pm 1\%$ of rdg $\pm 10D$
100kHz	10Hz	$\pm 1\%$ of rdg $\pm 10D$
1000kHz	100Hz	Not Specified

Temperature Measurement

Range: 0°F to 2000°F Resolution: 1°F Accuracy: 0°F to 225°F (±5° ±2D) 225°F to 2000°F (±3% of rdg)

Diode Test: 3.2V

Continuity Test (Audible)

Beeper Response: <40Ω Response Time: Instantly



13



DM-500

- Our Top Of The Line DMM
- High Accuracy & Resolution Affordable Price
- Perfect For Lab Use or Plant Maintenance
- Auto Ranging/True RMS
- Dual Display
- Analog Bar Graph
- 3 3/4 Digit LCD, 1.8" H
- 10 Location Memory
- Time Mode
- MIN, MAX, AVG and REL

- Capacitance/Inductance
- Temperature (C & F)
- Logic Detector
- Continuity/Diode Test
- Fused 20A Input
- Data Hold
- 2-Year Limited Warranty

Battery, Test Leads (ML-375), Thermocouple (TC-50P), Adapter (MA-500), Carrying Case, Spare Fuse and Operating Instructions Included OPTIONAL ACCESSORIES - Safety Holster with Probe Holders (MH-500), Soft Carrying Case (MC-500) - See Page 24

SPECIFICATIONS:

General

Display: 3 3/4 Digit LCD, 1.8" high, 21 segment bar graph

Overrange Indication: "OL" is displayed. **Operating Environment:** 0°C to 50°C, <80% relative humidity

Storage Environment: -40°C to 70°C. <95% relative humidity with battery removed

Auto Power OFF: After 30 min. ±1 min. with no key operation except for Hz, C or L

DC Voltage

Range	Resolution	Accuracy
400mV	0.1mV	±0.3% of rdg ±2D
4V	0.001V	±0.5% of rdg ±2D
40V	0.01V	±0.5% of rdg ±2D
400V	0.1V	±0.5% of rdg ±2D
1000V	1V	±0.5% of rdg ±2D

Overload Protection: 250V rms. PTC on 400mV range, 1000V rms on all other ranges

Input Impedance: $71G\Omega$ on 400mV range, $10M\Omega$ on all other ranges

DC Current

14

Range	Resolution	Accuracy
400µA	0.1μΑ	\pm 1% of rdg \pm 2D
400mA	0.1mA	\pm 1% of rdg \pm 2D
20A	0.1A	\pm 1% of rdg \pm 2D

Overload Protection: 250V rms, PTC on 400µA range, 0.5A/250V fuse on 400µA range, 20A/250V fuse on 20A range

Power: 9V alkaline or carbon zinc battery **Battery Life:** 60 hours typical with carbon zinc cells, 120 hours typical with alkaline cells Low Battery Indication: Below 6.9V ±0.5V Dimensions, Weight: 3.46" wide x 7.83" long x 1.45" thick (88mm x 199mm x 37mm), Net weight 14.5oz. (410g)

AC Voltage

Range	Resolution	Accuracy
400mV	0.1mV	$\pm 1\%$ of rdg $\pm 3D$
4V	0.001V	±1.5% of rdg ±5D
40V	0.01V	$\pm 1.5\%$ of rdg $\pm 5D$
400V	0.1V	±1.5% of rdg ±5D
750V	1V	$\pm 1.5\%$ of rdg $\pm 5D$

Input Impedance: >1G Ω on 400mV range, $10M\Omega$ on all other ranges

Overload Protection: 250V rms, PTC on the 400mV range, 100V rms on all other ranges Frequency Range: 50Hz to 1KHz on 400mV range, 50Hz to 100Hz on the 4V range, 50Hz to 500Hz on all other ranges

AC Current

Range Resolution 400µA 0.1µA 400mA 0.1mA 20A 0.01A Accuracy: ±1.5% of rdg ±3D @ 50Hz to 100Hz, ±3% of rdg ± 5D @ 100Hz to 1kHz Overload Protection: Use DC current values

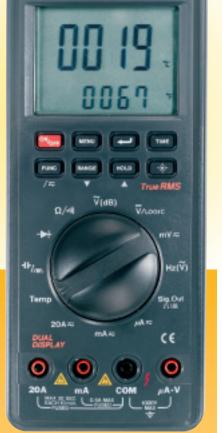


Range	Resolution	Accuracy
400Ω	0.1Ω	±0.5% of rdg ±2D
4KΩ	<i>0.001K</i> Ω	±0.5% of rdg ±2D
<i>40K</i> Ω	0.01KΩ	±0.5% of rdg ±2D
400ΚΩ	<i>0.1K</i> Ω	±0.5% of rdg ±2D
$4M\Omega$	<i>0.001Μ</i> Ω	$\pm 1\%$ of rdg $\pm 2D$
<i>40Μ</i> Ω	<i>0.01Μ</i> Ω	±1% of rdg ±2D
Overload	Protection: 25	OV rms. PTC

Frequency Measurement

Range	Resolution	Accuracy
10kHz	1Hz	±0.01% of rdg ±1D
100kHz	10Hz	$\pm 0.01\%$ of rdg $\pm 1D$
1MHz	100Hz	±0.01% of rdg ±1D
10MHz	1kHz	±0.01% of rdg ±1D

Continued on next page.



DM-500

ECG"



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DM-500 continued

SPECIFICATIONS:

Decibel

	Range	dBm Range	Frequency	Accuracy
	4V	-25.74 to 14.25	30 to 200Hz	±0.5dB
	40V	-5.74 to 8.24	20 to 1kHz	±0.5dB
	40V	-5.74 to 8.24	1k to 2kHz	±1dB
	40V	-5.74 to 8.24	2k to 5kHz	±2dB
	40V	8.24 to 34.25	30 to 5kHz	±0.5dB
	40V	8.24 to 34.25	5k to 10kHz	±1dB
	40V	8.24 to 34.25	10k to 20kHz	±2dB
	400V	31.76 to 54.25	30 to 20kHz	±0.5dB
	750V	51.76 to 59.71	30 to 20kHz	±0.5dB
Input Impedance: $10M\Omega$				
	Resolution: 0.01dBm			

Logic Measurement

Logic Type: TTL Range: Lo = <0.8V, Hi = >2V, Mid = 0.8V to 2V

Capacitance

Range: 0 - 100µF Resolution: 0.01µF Accuracy: ±3% of rdg ±5D

Diode

Open Circuit Voltage: 3.3V max. Test Current: 1mA

Inductance

Range: 0 to 100H Resolution: 0.01H Accuracy: ±3% of rdg ±5D up to 20H ±5% of rdg ±5D up to 50H ±10% of rdg ±5D up to 100H

Signal Out

Frequency: 2048Hz, 4096Hz, 8192Hz Square Wave Output Level: 4V p-p min. Accuracy: ±0.01% Output Impedance: 1.5kΩ

Time

Range: 1 sec. to 10 hours (presettable) Resolution: 1 sec Accuracy: ±0.2% of rdg ±1D

Temperature

Range: -17°C to 1200°C (0°F to 2000°F) Resolution 1°C (1°F) Accuracy: ±3% of rdg ±5D from -20°C to 10°C (0°F to 50°F) ±3 of rdg ±3D from 10°C to 350°C (50°F to 662°F) ±5% of rdg ±3D from 350°C to 1200°C (662°F to 2000°F)

Continuity

Beeper Response: $<100\Omega$



AC Clamp-On Current Adapter

CM-100

- Ideal For Plant/Industrial Maintenance
- Adds AC Clamp-On Current Measurement Capability To Standard DMMs*
- 0-1000 Amps AC
- ±2.5% Basic Accuracy 0-800 A; 3.5% 800-1000A
- 1mV/1A Resolution
- 0-1V RMS AC Output with ≥1mΩ Meters
- 2.1" Jaw Opening

- Works with Most DMMs (Full Scale ≤1-2V AC)
- Small Size
- Light Weight
- Durable, High Impact Plastic Case
- 90-Day Limited Warranty

Test Leads, Wrist Strap and Operating Instructions Included

SPECIFICATIONS:

General

 Input: 0-1000A AC max.

 Output: 0-1V AC RMS with ≥1MΩ meters

 Resolution: 1mV/1A

 Accuracy (50 Hz - 60 Hz):

 0-800A
 ±2.5% of rdg ±4D

 800-1000A
 ±3.0% of rdg ±4D

Operating Temperature: 0°C to +50°C **Storage Temperature:** -20°C to +60°C **Dimensions, Weight:** 3.4" wide x 7.25" long x 1" thick (86mm x 184mm x 25mm), net weight 7oz. (198g) **Output Jacks:** Standard banana type

The ECG model CM-100 Adapter Jaw enables clamp-on AC current measurements of up to 1000 amperes to be made with a conventional digital multimeter.

* The CM-100 works with most popular brands and models of DMMs. It requires a meter with an AC voltage range \leq 1-2V AC full scale and an input impedance of 1.0m Ω or greater.







Digital Capacitance Meter

CX-920A

A "Must" For Trouble Shooting and Circuit Design Measures To 20mF (20,000µF)

- Portable, Battery Operated
- 0.1pF to 20mF (20,000µF), 9 Ranges
- 0.5% Basic Accuracy
- 3 1/2 Digit LCD, 0.55" H
- Zero Adjustment
- Input Protected
- Low Battery Indicator

- Overrange Indicator
- Rotary Range Switch
- Rugged Construction
- Tilt Stand
- 1-Year Limited Warranty

Battery, Test Leads (ML-920A), Spare Fuse and Operating Instructions Included

SPECIFICATIONS:

General

Display: 3 1/2 Digit LCD, 0.55" high **Overrange Indication:** A "1" is displayed with the 3 least significant digits blanked **Operating Environment:** 0°C to 50°C, <70% relative humidity

Storage Environment: -20°C to 60°C, <80% relative humidity with battery removed **Temperature Coefficient:** 0.1 x specified accuracy per °C, which is only applicable for the temperature range of <18°C or >28°C **Power:** 9V alkaline or carbon zinc battery (NEDA 1604)

Battery Life: 150 hours typical with carbon zinc cells

Low Battery Indicator: Symbol is displayed Dimensions, Weight: 2.8" wide x 6" long x 1.5" *thick (70mm x 151mm x 38mm), net weight 7oz. (200g)*

Capacitance

Range	Resolution	Accuracy
200pF	0.1pF	$\pm 0.5\%$ of rdg $\pm 1D \pm 0.5pF$
2000pF	1pF	$\pm 0.5\%$ of rdg $\pm 1D$
20nF (.02µF)	10pF	$\pm 0.5\%$ of rdg $\pm 1D$
200nF (.2µF)	100pF	±0.5% of rdg ±1D
2µF	1nF	±0.5% of rdg ±1D
20µF	10nF	$\pm 0.5\%$ of rdg $\pm 1D$
200µF	0.1µF	±0.5% of rdg ±1D
2000µF	1μF	$\pm 2\%$ of rdg $\pm 1D$
20mF (20,000µF)	10µF	$\pm 4\%$ of rdg $\pm 1D$

Accuracy is based on an operating temperature of 23°C (73°F) at relative humidity up to 75%

Test Voltage

3.5V peak max., "+" input terminal voltage is always higher than "-" input terminal

Overload Protection

100mA/250V, fast blow fuse

Zero Capacitance Adjustment Range Approx. ±20pF









Battery Tester

BAT-15

Ideal For: • Home • Office • Workshop

- Very Economical
- 15 Measuring Ranges
- Pocket Size
- Moving Coil -90° Arc, 200µA FS Movement
- Easy To Read Scales
- Self Storing Test Leads
- High Impact ABS Plastic Case

Battery, Test Leads and Operating Instructions Included

SPECIFICATIONS:

General

Front Panel Controls: Function selector switch, mechanical zero adjuster Movement: Moving coil -90° arc, 200µA full scale Scales (3): Silver, mercury, all other batteries

Operating Position: Horizontal or vertical Dimensions, Weight: 4.12" long x 2.5" wide x 1.2" thick (105mm x 64mm x 32mm), net weight 4.1oz. (116g)



Battery	Total Load Ohm	Working Fine Current (mA)	Max. Replace Volts	Max. Good Volts	
1.5V Button	750	2	1.05	1.65	
All Chemistries* 1.5V "AAA"	75	20	1.05	1.65	
All Chemistries* 1.5V "AA"	37.5	40	1.05	1.65	
All Chemistries* 1.5V "C"	10	150	1.05	1.65	
All Chemistries* 1.5V "D"	5	300	1.05	1.65	
3V Lithium	3,000	1	2.1	3.3	
22.5V	2,250	10	15.7	24.7	
12V	60	200	8.4	13.2	
<i>9V</i>	500	18	6.3	9.9	
6V Lantern	15	400	4.2	6.6	
5.6-6.0V	1,200	5	3.8	6.0	
4.0-4.5V	900	5	2.86	4.5	
2.7-3.0V	600	5	1.91	3.0	
1.6-1.7V	1,500	1	1.08	1.7	
1.35-1.4V	292	5	1.05	1.65	

1. Working Fine Currents (mA) are based on nominal battery voltage

2. Max. Replace Volts are 70% of nominal battery voltage

3. Max. Good Volts are 110% of nominal battery voltage

*NOTICE

1.5V AAA, AA all chemistries: General purpose (carbon zinc)

1.5V C, all chemistries: Heavy-duty (zinc chloride)

1.5V D, all chemistries: Alkaline (alkaline manganese)



EC

 Lithium batteries (2 LR44 included typically provide for 180 hours of

continuous operation)

Low battery indication

Automatic power OFF

after 15 seconds

RoHS Compliant

I Year Warranty

Durable pocket clip

DIT-205

- Pen-style IR thermometer fits easily in a pocket or purse for quick and easy surface temperature measurements
- Temperature Range: -27° to 428°F (-33° to 220°C)
 Accuracy: ±2% of reading or ±2°C
- 0.1° resolution for accurate readings
- Selectable temperature units F/C
- 1:1 Optics (distance-to-spot size ratio)
- Emissivity preset to 0.95
- LCD display
- Non-contact
- Does not use a laser beam
- Metal alloy case

SPECIFICATIONS:

General

 Measurement Range:
 -27° to 428°F

 (-33° to 220°C)

 Ambient Operating Range:
 32° to 122°F

 (0° to 50°C)

 Storage Temperature Range:
 -4° to 149°F

 (-20° to 65°C)

Where can I use an infrared thermometer? *Kitchen*:

- Temperatures of all cooking surfaces
- Microwaved foods
- Dishes in microwave heat differently
- Baby formula bottles
- Baby foods
- Teflon fry pans actually become toxic at high temperatures
- Appliance performance: freezer and oven temperature
- Dishwasher water temperatures
- Hot oil temperatures in deep fryers
- Cookie sheet temperature
- Crock pot accuracy
- Melting chocolate
- · Candle making
- Home beer brewing
- Fondues: cheese, oil, chocolate
- Serving temperatures of beer and wine
- Pizza ovens

Safety:

- Child car seats
- Bath water: especially children and infants
- Check playground equipment: slides and swings
- Beach sand
- Benches and chair temperatures

Accuracy: ±2% of reading or ±2°C Resolution at -9.9°~199.9°C: 0.1° F or °C Response Time (90%): 1 second D:S: 1:1

Emissivity: Fixed 0.95 *Update Frequency:* 1.4Hz *Dimensions:* 3.25 x 0.5 inches

Health:

- Foot temperatures for diabetics
- Muscle tears and sprains
- Arthritic areas
- Horses: bad shoe, muscle tear, scar tissue
- Livestock breeding area temperatures
- Food serving quality at buffets
- Damp spots where mold and mildew grow

Around the home:

- Doors and windows for drafts
- Air conditioner air temperature
- Furnace registers
- Flue temperature in heating systems
- Ballasts in florescent lighting
- Dimmer switches for overheating
- Lightbulb before unscrewing
- Wood stoves flue temperature and ducts
- Fireplace logs (gas burn)
- Fuses and breakers for possible shorts
- Room temperatures
- (scan walls for heat layers) • Reptile cages and environment
- Aquarium water temperatures
- Air conditioning: supply and return registers
- Surface temperature before painting

Wave Length Response: 5-14um Weight (with battery): 2 oz Batteries: 2 LR44 (included) Battery Life: 180hr (typical)

Outdoor uses:

- Verify BBQ surface temperatures
- Water temperatures in pools, spas and hot tubs
- Lawns for heat stress and areas sprinkler missed
- Outdoor fire pits and tool temperatures
- Small stoke engines: mowers, snow blowers
 Driveway temperature before
- recoating surfaces

Automotive, Hobby, Racing:

- Engine check spark plugs manifold
- Air conditioning and heating
- Radiator blockages
- Brake temperatures overheating
- Catalytic converters blockage
- Tire temperatures under/over inflated
- Track temperatures match correct tires
- Engine temperatures in remote control vehicles





DT-205

- Perfect For HVAC/Industrial Maintenance Techs Hobbyist
- Pocket Size Light Weight Built-In Retractable 3.5" Probe
- °C or °F Switchable
- ±1°C, ±2°F Accuracy
- Up to 0.1° Resolution
- 3.5 Digit LCD, 0.55" H
- Rugged Construction
- Low Battery Indicator
- Overrange Indicator
- 90 Day Limited Warranty

Battery, Carrying Case and Operating Instructions Included

DESCRIPTION:

The DT-205 is a pocket-sized Digital Thermometer with a built-in thermocouple probe that retracts into the case. It possesses features of more costly instruments such as switchable Fahrenheit and Celsius scales, up to 0.1° resolution and a large easy-to-read 3 1/2 digit display.

Measurement range is -50°C to 150°C and -58°F to 302°F. Ruggedly constructed and fast acting, the DT-205 is ideally suited for set up, adjustment and monitoring heating and cooling systems plus checking for heat loss.

SPECIFICATIONS:

General

Display: 3 1/2 Digit LCD, 0.5" high.

Overrange Indication: A "1" or "-1" is displayed with the 3 least significant digits blanked

Measurement Rate: 3 times per second

Operating Environment: 0°C to 35°C, <90% relative humidity, 35°C to 50°C <70% relative humidity

Storage Environment: -40°C to 60°C, with battery removed

Power: 9V alkaline or carbon zinc battery (NEDA 1604) **Battery Life:** 300 hours typical with carbon zinc cells

Low Battery Indicator: Display indicates "Bat"

Dimensions, Weight: 1.8" wide x 5.6" long x 1.1" thick (46mm x 142mm x 28mm) Net weight 5.6oz. (142g) with battery

Celsius

RangeResolution-50°C to 150°C0.1°C

Accuracy ±3° @ -50° to 0° ±1° @ 0° to 100° ±3° @ 100° to 150°

Temperature Coefficient: <0.1 x the applicable accuracy specification per °C, from 0°C to 18°C and 28°C to 50°C

Resolution

1°F

Fahrenheit

Range -58°F to 302°F Accuracy ±6° @ -58° to 32° ±2° @ 32° to 212° ±6° @ 212° to 302°

Temperature Coefficient: <0.1 x the applicable accuracy specification per °F, from 32°F to 64.4°F to 122°F







Logic Circuit Test Probes

PR21 Logic Probe

- Perfect Trouble Shooting Tool
 20MHz Pulse Detector
- Switch Selectable
 Pulse Detection or Memory
 - TTL/CMOS
- Audible Logic State Tones
- Input Impedance 1M Ω
- Detects 30ns Pulses
- Operates to 20MHz
- Color Coded LEDs
- Circuit Powered
- 90-Day Limited Warranty

DESCRIPTION:

The PR21 is a versatile instrument for troubleshooting and analyzing logic circuits. Features include visual indication of pulse level and pulse presence, pulse memory, plus an audible, two-tone, logic state indicator. The probe responds to pulses as narrow as 30ns and pulse trains up to 20MHz, and is compatible with TTL, DTL, RTL, HTL, CMOS and MOS. It is also compact and light weight. Three color-coded LEDs indicate pulse presence and high/low logic states. Visual indication is complemented by audible tones of two distinctly different frequencies to distinguish the logic states easily. The PR21 Logic Probe is a valuable servicing aid, especially when used in conjunction with the PR31 Logic Pulsar.

SPECIFICATIONS:

Input Signal Frequency: 20MHz Max Minimum Detectable Pulse Width: 30ns Input Impedance: 1MΩ

 Operating Supply Range (Vcc):
 4V DC Min., 18V DC Max.

 TTL Logic "1" (Hi LED)
 >2.3 ±0.2V DC

 Logic "0" (Lo LED)
 <0.8 ±0.2V DC</td>

 CMOS Logic "1" (Hi LED)
 >70% Vcc ±10%

 Logic "0" (Lo LED)
 <30% Vcc ±10%</td>

Maximum Allowable Supply Voltage (Vcc): ± 20V DC Power Supply Protection: ±20V DC Max. (15 sec.) Signal Input Protection: ±220V AC/DC Max. (15 sec.) Pulse Indicator Flash Time: 500ms Operating Environment: 0°C to 50°C, <80% relative humidity Storage Environment: -20°C to 65°C, <75% relative humidity Dimensions, Weight: 8.2" long x 0.7" dia. (21cm x 1.8cm) net weight 1.6 oz. (45g)





Logic Circuit Test Probes

PR31 Logic Probe

- Trouble Shooting/Design Tool
- Pulse Generator
- Use with Companion Logic Probe PR21 or Scope
- Compatible with Most Logic Families
- Signal Injector (Square Wave)
- Switchable 0.5/400Hz Pulse Rate
- Sources/Sinks 100mA Pulses
- External Sync Input
- Circuit Powered
- 90-Day Limited Warranty

DESCRIPTION:

The PR31 Pulse Generator is used to inject a signal into a logic circuit without having to remove the IC or open the circuit. Using the companion PR21 Logic Probe you can detect component failures or wiring errors. The average power of the injected signal is limited by supply voltage (Vcc) of the circuit under test, and with its short duration pulses, will not damage circuit components.

The PR31 Logic Pulsar produces a 10µs signal at a 100 mA load and can be switched to either 0.5Hz or 400Hz. It is also capable of generating a square wave equal to approximately 90% of the supply voltage (Vcc) at the square wave output terminal so that an oscilloscope can be used to observe and trace signals. The PR31 Logic Pulsar also has an external sync input, which enables the user to synchronize the pulse output with an external signal, such as a computer clock circuit.

SPECIFICATIONS:

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Input Signal Frequency: 20MHz Max Minimum Detectable Pulse Width: 30ns Input Impedance: 1MΩ

 Operating Supply Range (Vcc): 4V DC Min., 18V DC Max.

 TTL Logic "1" (Hi LED)
 >2.3 ±0.2V DC

 Logic "0" (Lo LED)
 <0.8 ±0.2V DC</td>

 CMOS Logic "1" (Hi LED)
 >70% Vcc ±10%

 Logic "0" (Lo LED)
 <30% Vcc ±10%</td>

 Maximum Allowable Supply Voltage (Vcc): ± 20V DC

Power Supply Protection: ±20V DC Max. (15 sec.) Signal Input Protection: ±220V AC/DC Max. (15 sec.) Pulse Indicator Flash Time: 500ms Operating Environment: 0°C to 50°C, <80% relative humidity Storage Environment: -20°C to 65°C, <75% relative humidity Dimensions, Weight: 8.2" long x 0.7" dia. (21cm x 1.8cm)

net weight 1.6 oz. (45g)

Output Pulse Rate: 0.5/400Hz Output Pulse Width: 10-15µs Output Pulse Amplitude: Approx. 90% Vcc Output Current: 100mA Sink/Source Square Wave Output Current: 5mA Sink/Source Sync Input Impedance: 1MQ Power Supply Range (Vcc): 5-15V DC **Overload Protection:** 20V DC Max. (30 sec.) Power Supply Sync Input 120V DC Max. (30 sec.) Test Point 35V DC Max. (30 sec.) **Operating Environment:** 0°C to 50°C, <80% relative humidity *Storage Environment: -20°C to 65°C, <75% relative humidity* Dimensions, Weight: 8.2" long x 0.7" dia. (21cm x 1.8cm) net weight 1.4oz. (40g)

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Oscilloscope Probes

PR60, PR100, PR200B

- High Quality At Economical Prices
- Compatible with Popular Scopes
- Switchable X1, X10 and **Ground Reference**



PR60

• 60 MHz Bandwidth

SPECIFICATIONS:

Switch Function

X1: Attenuation: 1:1 Bandwidth: DC to 20MHz Input Capacitance: 72pf Input Resistance: 237Ω X10: Attenuation: 10:1 Bandwidth: DC to 60MHz Internal Resistance: 9MQ Compensation Range: 15 to 40pF Input Capacitance: 14pF Input Resistance: $10M\Omega$, with Oscilloscope of 1MΩ Input Resistance Working Voltage: 600V AC p-p or 300V DC *+ AC p-p* **Operating Temperature:** -15°C to +70°C Coaxial Cable Length: 53.6" (1363mm)

Accessories Supplied

Ground Lead and Clip Retractable Hook

Replacement Accessories

PR200BGL - Ground Lead and Clip **PR60SH** - Retractable Hook

PR100

• 100 MHz Bandwidth

SPECIFICATIONS:

Switch Function

X1:

Attenuation: 1:1 Bandwidth: DC to 10MHz Rise Time: 35ns Input Capacitance: 75pf + Oscilloscope Input Capacitance X10: Attenuation: 10:1 Bandwidth: DC to 100MHz Rise Time: 3.5ns Compensation Range: 15 to 50pF Input Resistance: $10M\Omega$, with Oscilloscope of 1.0MΩ Input Resistance Input Capacitance: 11pF **Reference Position:** Tip Grounded via $9M\Omega$,

Oscilloscope Input Grounded Working Voltage: 600V (DC + peak AC) **Operating Temperature:** 0°C to +70°C

Coaxial Cable Length: 57" (1478mm)

Accessories Supplied

Ground Lead and Clip Retractable Hook Insulating Tip IC Tip BNC Adapter Trimmer Tool

Replacement Accessories

PR200BGL - Ground Lead and Clip **PR200BSH** - Retractable Hook

PR200BKT Accessory Kit: Ground Lead and Clip; IC Tip; BNC Adapter; Retractable Hook; Insulating Tip; Trimmer Tool

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- Stable Calibration
- Ground Clip Rotates 360°
- Pin-Point Probe Tip
- 90-Day Limited Warranty



PR200B

• 200 MHz Bandwidth

SPECIFICATIONS:

Switch Function

X1: Attenuation: 1:1 Bandwidth: DC to 5MHz Rise Time: 75ns Input Capacitance: 60pf + Oscilloscope Input Capacitance X10: Attenuation: 10:1 (±3%) Bandwidth: DC to 200MHz Rise Time: 1.8ns Compensation Range: 10 to 60pF

Input Resistance: $10M\Omega$, with Oscilloscope of 1.0MΩ Input Resistance Input Capacitance: 14pF

Reference Position: Tip Grounded via $9M\Omega_{2}$, Oscilloscope Input Grounded

Working Voltage: 600V (DC + peak AC) **Operating Temperature:** 0°C to +70°C Coaxial Cable Length: 47.2" (1200mm)

Accessories Supplied

Ground Lead and Clip Retractable Hook IC Tip BNC Adapter Replacement Tip

Insulating Tip Trimmer Tool

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Replacement Accessories

PR200BGL - Ground Lead and Clip PR200BSH - Retractable Hook

PR200BKT Accessory Kit: Ground Lead and Clip; IC Tip; BNC Adapter; Retractable Hook; Insulating Tip; Trimmer Tool; Replacement Tip



Accessories

Soft Carrying Cases

- Cloth Reinforced Vinyl
- Double Machine Stitched
- Cushion Lining
- Dependable Fasteners
- Carrying Handles

DESCRIPTION:

Meter Model No.

<u>AM-20</u> AM-30

CX-920A

DM-21 DM-50 DM-59

DM-75 DM-80

DM-37

DM-78A DM-500 Part No.

MC-20

MC-30

MC-50

MC-80 MC-300

MC-500



Protective Holster and Tilt Stand

8 in. x 5 in. x 2 in.

- Fitted
- Resilient Molded Plastic
- Belt Clip

DESCRIPTION:

Meter Model No. DM-500 **Part No.** MH-500



MC-80





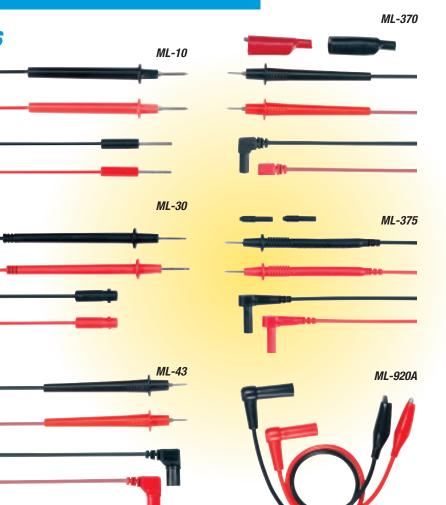
Accessories

Replacement Test Leads

• Flexible • Heavy Duty • Insulated

DESCRIPTION:

Meter Model No.	Part No.	Length (Nom.)	
<u>AM-10</u>	ML-10	26.5 in.	
AM-30	ML-43	43 in.	
FET-43			
DM-37	ML-370	48 in.	
	(Includes alligator clips)		
AM-22	ML-375	42 in.	
DM-21			
DM-50			
DM-59			
DM-78A			
DM-80			
DM-500			
CX-920A	ML-920A	13 in.	



MULTIMETER TEST LEADS - CROSS REFERENCE

Meter Mfg./ ECG	Meter Mfg./ ECG	Meter Mfg./ ECG	Meter Mfg./ ECG	Meter Mfg./ ECG	Meter Mfg./ ECG	Meter Mfg./ ECG	Meter Mfg./ ECG
Model No. Repl.	Model No. Repl.	Model No. Repl.	Model No. Repl.	Model No. Repl.	Model No. Repl.	Model No. Repl.	Model No. Repl.
Amprobe AM-4A ML-43 AM-4B ML-370 AM-1200 ML-375 AM-1280 ML-375 AM-1280 ML-375 B&K 213 213 ML-43 340A ML-30 350 ML-370 388HD ML-370 388HD ML-370 388A ML-375 390	Beckman/ Wavetek 151ML-370 152	HD-130ML-370 HD-140ML-370 RMS225ML-370 RECH300ML-43 TECH310ML-43 TECH320ML-43 TECH350ML-370 Extech 380165 380166 380166 380166 380166 380451ML-375 380451ML-375 380972ML-370 380972ML-370 380972ML-370 380972ML-370 711ML-375 21ML-375 21ML-375 23ML-370 25ML-370 25ML-370 27ML-370 27ML-370 29ML-370 37ML-370 70ML-370 70ML-370 73ML-370 73ML-370	75. ML-370 77. ML-370 83. ML-370 85. ML-370 85. ML-370 87. ML-370 8021B ML-370 8022B ML-370 8022B ML-370 8022B ML-370 8024B ML-370 8060A ML-370 8060A ML-370 8060A ML-370 8060A ML-370 8060A ML-370 8062A ML-370 8062A ML-370 DM-7333 ML-370 DM-7333 ML-370 DM-7333 ML-370 DM-8433 ML-370 Z372 — 2374 — 2380 ML-370 E2373A ML-370 E2373A ML-370 E2377A ML-370 E2378A ML-370	Hitachi 3510 ML-370 3525 ML-370 3550 ML-370 Mercer 9120 9120 ML-43 9301 ML-370 9370 ML-370 9401 ML-370 9401 ML-370 9401 ML-370 9702 ML-370 9705 ML-370 9706 ML-370 9702 ML-30 Protek 301U 301 ML-43 A-400 ML-43 A-420S ML-43 A-423 ML-43 A-423 ML-43 A-423 ML-43 A-423 ML-43 A-425 ML-370 D-901 ML-370 D-906 ML-370 D-910F ML-370 D-910F ML-370 D-927 ML-370 D-937 ML-370 D-941 ML-370 D-981	Philips ECG AM-10 ML-10 AM-20 ML-375 AM-30 ML-43 CM-30 ML-43 CM-30 ML-43 CM-30 ML-375 DM-21 ML-375 DM-25 — DM-26 — DM-50 ML-375 DM-51 — DM-55 — DM-56 ML-375 DM-76 ML-375 DM-74 ML-370 DM-75 — DM-76 ML-375 DM-78 ML-375 DM-78 ML-375 DM-78 ML-375 DM-78 ML-375 DM-300 ML-375 DM-305 ML-375 DM-305 ML-375 DM-305 ML-375 DM-305 ML-375 DM-305 ML-375 DM-305 ML-375 DM-300 ML-375 DM-300 ML-375 DM-300	DVM-634 ML-43 DVM-636 ML-43 DVM-637 ML-43 DVM-642 ML-375 DVM-642 ML-375 DVM-642 ML-375 DVM-6005 — LCR-680 — 470 ML-370 3025 ML-370 3025 ML-370 3020 ML-370 3200 ML-370 3210 ML-370 3220 ML-370 3230 ML-370 3220 ML-370 3230 ML-370 3430 ML-370 3510 ML-370 3520 ML-370 3520 ML-370 4030 ML-370 4020 ML-370 5025 ML-370 5025 ML-370 5026 ML-370 5030 ML-370 5025 ML-370 5030 ML-370 5030 ML-370 <	DM-6910ML-370 DM-7010ML-370 DM-7010ML-370 DSA-2002ML-370 DSA-2002ML-370 DSA-2007ML-370 DSA-2007ML-370 DSA-2007ML-370 DSA-2009ML-43 SP-170BML-43 SP-300+ML-370 TD-2608ML-43 SPR-301ML-370 TD-2608ML-370 TD-2608ML-370 TD-2608ML-370 TD-2608ML-370 DM251ML-375 DM253ML-375 DM254ML-370 DM256ML-370 DM256ML-370 DM256ML-370 S360ML-370 S3500ML-370 S560ML-370 S560ML-370 S560ML-370 S560ML-370 S560ML-370 S560ML-370 S560ML-370 S560ML-370 S560ML-370 S560ML-370 S560ML-370 S560ML-370 S560ML-370 S560ML-370 S560ML-370 S560ML-370 S560ML-370 S560

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Accessories

Replacement Thermocouples (K-Type)

Replacement Oscilloscope Probe Accessories



DESCRIPTION:

Meter Model No. DM-80 DM-500

TC-50P (With Connector) TC-50P (With Connector)



DESCRIPTION:

Probe Model No. PR200B Part No. PR200BSH (Retractable Hook)

Temperature Probe



DESCRIPTION:

Meter Model No. AM-30

TC-30

K-Type Temperature Probe Adapter



DESCRIPTION:

Meter Model No. DM-500 **Part No.** MA-500





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