Multimeters and Accessories

OTC.







750 Series Automotive Multimeter 0

3980

The 750 Series AUTOMOTIVE MULTIMETER includes all the great features of the 550 Series METER, PLUS Automotive specific tests; True RMS, RPM, Dwell, Pulse Width, Temperature, Backlight, RS232, and Min/Max. It is CATIII so it is compatible Hybrid vehicle systems.

Specifications:

- Frequency:
- RPM (Direct Test with Leads):
- RPM (with RPM Pick UP):
- DWELL Angle:
- Duty Cycle:
- Pulse With-ms (negative):
- Temperature:
- DC Volts:
- 400mV/4/40/400V ± 0.5%, 1000V ± 0.8%
- TRMS 4/40/400V ± 1.5%, 400mV/750V ± 2%
- 400/4000µA ± 2%, 40/400mA ± 1.5%, 4/10A ± 2%
- AC Amps:
- TRMS 400/4000µA ± 2%, 40/400mA ±2%, 4/10A ± 2.5%
- Resistance: $400\Omega/4/40/400k\Omega \pm 1\%$, $4/40M\Omega \pm 2\%$ Capacitance:
- 40nF/400nF/4µF/40µF ± 3%, 400µF/4000µF ± 20%
- Dimensions (H x W x D): 20cm (H) x 9.2cm (W) x 4.1cm (D)

550 Series Digital Multimeter

3940

The 550 Series DIGITAL MULTIMETER features powerful automotive test functions such as; Frequency, Duty Cycle, Diode & Continuity Tests, plus all the standard meter features you expect in a professional grade Multimeter.

Specifications:

- Frequency: 1Hz ~ 10MHz ± 0.1% 0.1% ~ 99.9% ± 2.5%
- Duty Cycle:
- DC Volts:
- 400mV/4/40/400V ± 0.5%, 1000V ± 0.8% AC Volts:
- 4/40/400V ± 0.8%, 400mV/750V ± 1.2% DC Amps:
- 400/4000µA ± 2%, 40/400mA ± 1.5%, 4/10A ± 2% AC Amps:
- 400/4000µA ± 2.5%, 40/400mA ± 2%, 4/10A ± 2.5% Resistance:
- $400\Omega/4/40/400k\Omega \pm 1\%$, $4/40M\Omega \pm 2\%$ Capacitance:
- 40nF ± 3.5%, 400nF/4µF/40µF ± 3%, 400µF/4000µF ± 20% • Dimensions (H x W x D):
- 17.7cm (H) x 8.8cm (W) x 3.9cm (D)



0 - 360° (1 - 12 CYL) 0.1% ~ 99.9% ± 2.5%

1Hz ~ 10MHz ± 0.1%

0 - 10,000

0 - 10,000

- $1 \sim 999 ms$
- -50°C to 400°C, -58°F to 752°F

- DC Amps:

- Min/Max
- Continuity Test
- Auto Range
- Data Hold

Features:

Diode Test

- Relative Change
- Backlight
- Auto Power Off
- CATIII 1000V

AC Volts:

• RS232 & Cable Red & Black Test Leads

• RPM Pickup Adapter

• Temp Probe Adapter

• PC Cable & Software

Black Canvas Case

Alligator Clips



55 Series Digital Multimeter

3910

The 55 Series DIGITAL MULTIMETER meter provides a full feature set at



Specifications:

- DC Voltage: 200mV/2/20/200V ± 0.5%, 600V ± 0.8%
- AC Voltage: 2/20/200V ± 0.8%, 200mV/600V ± 1.5%
- DC Amps: 200/2000µA ± 2%, 20/200mA ± 1.5%, 2/10A ± 2%
- AC Amps: 200/2000µA ± 2.5%, 20/200mA ± 2%, 2/10A ± 2.5%
- Resistance: $200\Omega/2/20/200k\Omega/2M\Omega \pm 1\%$, $20M\Omega \pm 2\%$
- Temperature: -50°C - 200°C, -58°F to 392°F
- Dimensions (H x W x D): 14cm (H) x 7.2cm (W) x 3.7cm (D)

Features:

- Display: Max. 2000 Counts
- Auto / Manual Range
- Diode Check
- Continuity Buzzer
- Data Hold, Max Hold
- Auto Power Off

Probe Multimeter

3907

This new probe style meter is a full function multimeter in a convenient pocket pen type package. The probe contains a retractable probe cover and lead clip on back of meter for carrying in pocket or storage.



Built-in Probe Protector



Specifications:

- DC Voltage: 200mV/2/20/200V ± 0.5%, 600V ± 0.8%
- AC Voltage: 2/20/200V ± 0.8%, 600V ± 1.2%
- Resistance Measurement: $200\Omega/2/20/200k\Omega/2M\Omega \pm 1\%$, $20M\Omega \pm 2\%$
- Dimensions (H x W x D): 18.8cm (H) x 3.8cm (W) x 3cm (D)

Features:

- Display: Max. 2000 Counts
- Function: Ohm/DCV/ACV/Diode/Continuity •
- Input Impedance: $10M\Omega$
- Auto Range
- Operating Switch: Combined switch with function and power switch
- Auto Power Off
- Pocket pen type
- Back light and testing light
- Rotating pen tip protector Test lead installing socket







1000V CAT III Hybrid Multimeter

3990

OTC 1000V CAT III Hybrid Multimeter with Insulation Test. A full function Multimeter with an insulation test feature is used to test for voltage leaks through insulation found on Hybrid and Electric Vehicles.

Features:

- HyBrid Insulation Resistance Test
- True RMS
- Auto Ranging
- Diode TestContinuity Buzzer
- Data Hold

Specifications:

Insulation Testing Voltage: AC Voltage: DC Voltage: DC Millivolts: AC Current: DC Current: Ohms: Capacitance: Frequency at mV range: Frequency at DCV/ACV range: Temperature:

- Data Logging
- Display Backlight
- Min/Max Mode
- Sleep Mode
- Low Battery Display

50V, 100V, 250V, 500V, 1000V 6V, 60V, 600V, 1000V 6V, 60V, 600V, 1000V 60mV, 600mV 60mA, 600mA 600., 6k., 60k., 600k., 6M., 40M. 10nF, 100nF, 1000nF, 10µF, 100µF 60Hz, 600Hz, 6kHz, 60kHz, 600kHz, 1MHz 10Hz ~ 100kHz -40C to + 537C (-40F to + 998F)

Kit Includes: Heavy Duty Class III test leads with alligator clips, Short Lead, K Type temperature adapter and Manual.

Hybrid Multimeter Accessories

These Hybrid Electric Safety Gloves are the most important articles of personal protective equipment when working on high voltage vehicles. They are the first line of defense for contact with any energized components.

3991-10 Small Glove with

Leather outer protector set

3991-11 Medium Glove with Leather outer protector set

3991-12 Large Glove with Leather outer protector set



3991-2

Use this Orange Magnetic Warning Sign to deter people from entering an area where a high voltage system is being worked on.



WARNING: Safety Gloves must be inspected prior to each use in accordance with ASTM Standard F1236 and the applicable Service manual for the vehicle being serviced. Rubber insulating gloves must be retested electrically at least once every six (6) months using the test procedures described in the most recent editions of ASTM Standard F496.



AMP Clamp/Multimeter

3908

OTC AMP Clamp/Multimeter was designed to allow accurate current measurements using clamp jaws. The clamp meter is well suited for testing starting/ charging circuits, and provides easy access to current, voltage and other key automotive measurements, all in one easy to use tool.

Features:

- Duty Cycle
- Resistance
- Capacitance
- Diode

OTC

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- Continuity
- Frequency
- Temperature
- Display maximum reading of 4000 counts

Specifications:

AC/DC Voltage: AC/DC Current: Operating Environment Temperature: Humidity: Storage environment temperature: Humidity:

- Range auto/manual
- Automatic negative polarity indication
- Automatic zero adjustment
- Over range indication
- Low battery symbol
- Data hold symbol
- Relative measurement symbol
- Clamp opening size 32mm
- Auto power off

600V 1000A 32 to 104°F (0°C to 40°C), < 80% RH -4 TO 140°F (-20°C TO 60°C), < 90% RH

Kit Includes: Test leads, temperature probe, soft carry case, 9-volt battery

The meter is in compliance with the following standards:

- IEC1010 double insulation
- Pollution degree 2
- Over voltage category III (600 volts)
- Power One 9-volt alkaline battery (NEDA 1604 or equivalent)

OTC Multimeter Family Comparison Chart



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