

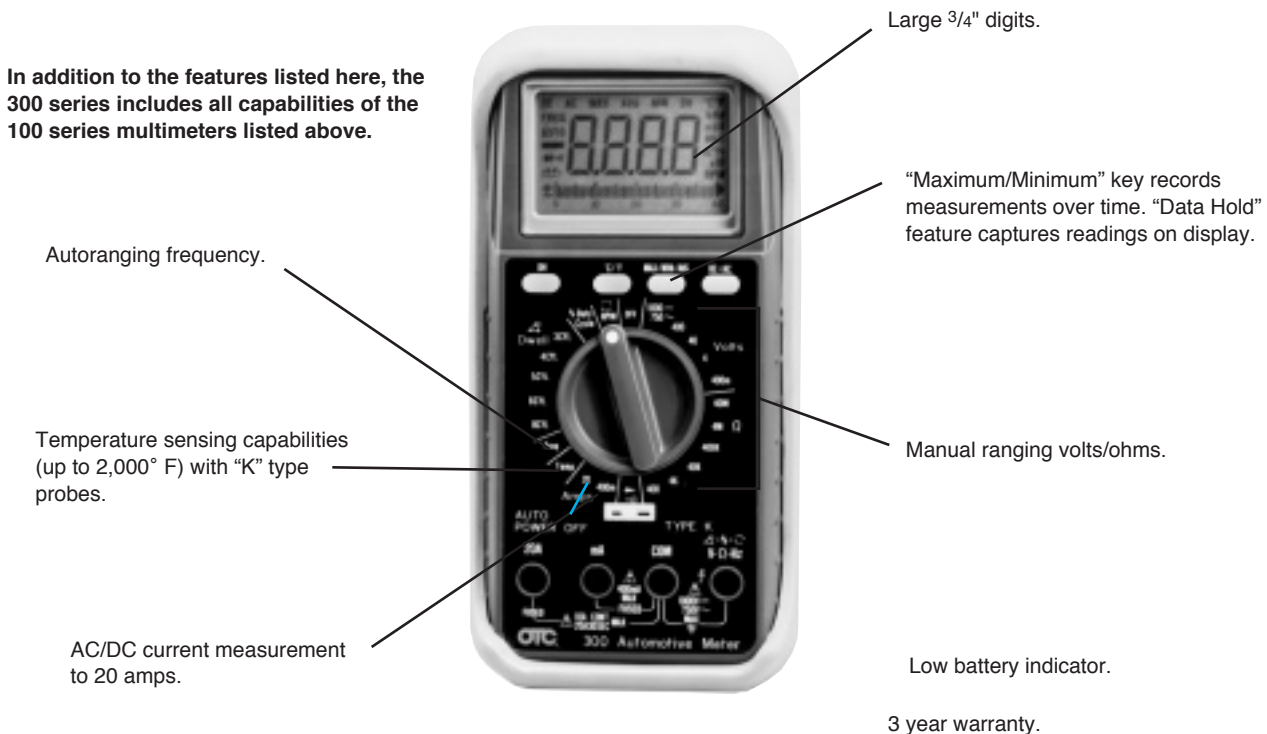
100 Series Multimeter

This high quality, low cost multimeter has features you'd expect to find only on more expensive meters; such as autoranging for volts, frequency, and resistance. **See page 30 for multimeter set options.**



300 Series Multimeter

A manual ranging multimeter designed with the diagnostic demands of modern vehicle systems in mind. **See page 30 for multimeter set options.**



600 Series Multimeter

The extra troubleshooting features you've asked for! Autoranging unit measures fuel injection pulse width and provides direct reading for duty cycle and dwell...no conversion charts are needed. **See page 30 for multimeter set options.**

In addition to the features listed here, the 600 series includes all capabilities of the 100 and 300 series multimeters on the preceding page.

Backlit display for clear visibility in most lighting conditions. Large 3/4" digits.

Trigger slope and trigger level are adjustable.

Capacitance check.

Full auto ranging with optional manual range.

3 year warranty.



RPM for DIS/conventional ignition.

Millisecond pulse width readings with +/- trigger for fuel injector testing.

Automatic shut-off prolongs battery life. Low battery indicator.

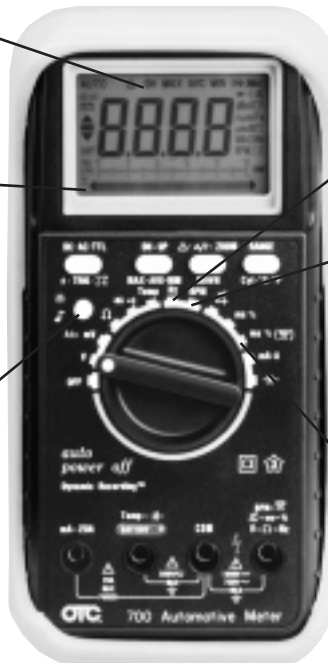
700 Series Multimeter

No other multimeter on the market can do what this one does: measure pulse width for both port fuel injection and throttle body injection systems. Patent is pending! **See page 30 for multimeter set options.**

Dynamic recording and 99 hour time stamping for glitch capture. Maximum, minimum, and average readings displayed every 3 seconds.

Adjustable trigger slope and micro-adjustable trigger level.

Audible tone when sweep testing variable volts, ohms, and amps on TPS/MAP and other sensors.



In addition to the features listed here, the 700 series includes all the capabilities of OTC's 100, 300 and 600 series multimeters.

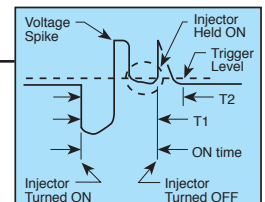
Frequency counter measuring from 1.00 Hz to 10 MHz.

Inductive RPM pickup for both conventional and DIS.

Micro-adjustable sensitivity for DIS.

Pulse width measurements for both TBI and PFI systems. No other meter on the market can do that! (Patent Pending)

3 year warranty.



Multimeter Set



Comparison Chart

	100 Series	300 Series	600 Series	700 Series
Volts AC/DC	•	•	•	•
Amps AC/DC	•	•	•	•
mA AC/DC	•	•	•	•
Ohms	•	•	•	•
Diode Check	•	•	•	•
Continuity Beeper	•	•	•	•
Inductive RPM	•	•	•	•
Direct Dwell Readings	•	•	•	•
Duty Cycle	•	•	•	•
Frequency	•	•	•	•
Temperature	•	•	•	•
Bar Graph	•	•	•	•
Digital Display	•	•	•	•
Data Hold	•	•	•	•
Auto Power Off	•	•	•	•
Low Batt. Indicator	•	•	•	•
Fused Amps	•	•	•	•
Autorange			•	•
Min./Max.		•	•	•
4 Cycle / 2 Cycle			•	•
Zero/Relative			•	•
Recording/Time Stmp.			•	•
Backlighting			•	•
+/- Triggering			•	•
Capacitance			•	•
ms Pulse Width			•	•
TBI Pulse Width				•
Vari-Tone				•
Adj. Trigger Level				•
Micro-adjustable Trigger Level				•
Smoothing				•
Burned Fuse Detector				•
Logic Check				•

Replacement Fuses

No. 233870 – 100 series, 10 amp. Wt., 2 oz.

No. 233871 – 100 series, .5 amp. Wt., 2 oz.

No. 232179 – 300 series, 20 amp. Wt., 2 oz.

No. 232180 – 300 series, 630 mA. Wt., 2 oz.

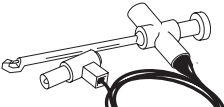
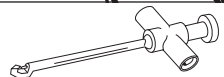
No. 231971 – 500, 600 and 700 series, 20 amp. Wt., 2 oz.

No. 231972 – 500 series, .5 amp. Wt., 2 oz.


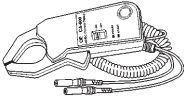
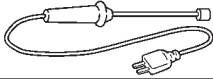
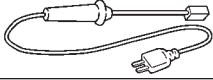
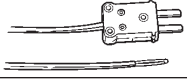
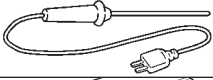
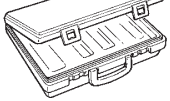

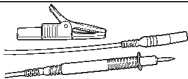
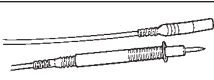
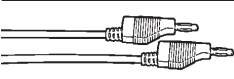

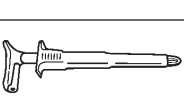
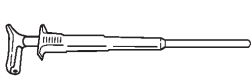
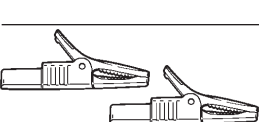



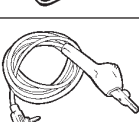
OTC Multimeter Sets

Set No.	Multimeter Series	3500-10 Test Leads with Alligator Clips	3500-12 Ultra Flex Silicone Test Leads	3500-17 Large Insulated Alligator Clips for 3500-12	232452 (700) 232451 (500) 232452 (300) 232451 (100) Inductive RPM Pickup	3500-06 Immersion Temp. Probe	3500-04 Air Temp. Probe	3500-05 Bead Type Temp. Probe	3500-18/19 Four Special Connector Back Probing Leads	7389 "Bed of Nails" Insulation Piercing Probe	3500-01A AC/DC Inductive Current Clamp (2-600 amp)	3500-07 Molded Storage Case
3505	100 series Wt., 1 lb., 7 oz.	•			•			•				
3510	300 series Wt., 2 lbs., 6 oz.	•			•			•				
3511	300 series Wt., 5 lbs., 5 oz.	•			•			•				•
3588	600 series Wt., 5 lbs., 15 oz.	•			•			•				•
3531	700 series Wt., 3 lbs., 8 oz.	•			•			•				•
3532	700 series Wt., 7 lbs.		•	•	•	•	•	•	•	•	•	•

Multimeter Accessories

	Part No.	Description
	3500-25	E-Z Hook – 4" probe with 48" lead. Wt., 12 oz.
	3800-25	E-Z Hook – 4" probe with female banana. Wt., 4 oz.

Multimeter Accessories

	Part No.	Description
	3500-01	Current Clamp Probe – Eliminates the need to break the circuit and install a shunt; simply clamp around the cable or wire under test. Dual scale: 2-200 amps AC/DC 2-2000 amps AC/DC. Wt., 1 lb., 5 oz.
	3500-01A	Current Clamp Probe – Eliminates the need to break the circuit and install a shunt; simply clamp around the cable or wire under test. 2-600 amps AC/DC. Wt., 1 lb., 5 oz.
	3500-03	Surface Temperature Probe – Measures surface temperature of hoses, engine blocks, catalytic converters, tire temperature for alignment, etc. Wt., 3 oz.
	3500-04	Air Probe – Measures air temperatures when servicing air conditioning, heater, and intake air, etc. Wt., 3 oz.
	3500-05	Bead Type Temperature Probe – Measures air temperature for servicing heating and cooling units. Wt., 1 oz.
	3500-06	Immersion Probe – Measures liquid temperatures of radiators, oil, transmission fluid, fuel. Wt., 3 oz.
	3500-07	Molded Carrying Case – Keeps your multimeter, leads and other accessories organized, safe from loss. Built of tough, high density polyethylene with molded interior to hold parts in place. Size: 15 ¹ / ₂ " x 13 ¹ / ₂ " x 4 ⁵ / ₈ ". File folder in lid has two compartments for storage of instructions, reference manuals. Wt., 3 lbs., 14 oz.
	3500-10	Test Lead Set – Standard 48" leads with screw-on alligator clips. Wt., 3 oz.
	3500-11	Special 48" Test Lead Set – Special Ultra Flex 384 silicone test leads (384 strand) for tangle-free operation. Set includes leads with probe tips and alligator clips. Wt., 5 oz.
	3500-12	Special 48" Test Leads – Special Ultra Flex 384 silicone test leads (384 strand). Red and black leads only, 48" long. Wt., 3 oz.
	3500-13	Special 60" Test Leads – Special Ultra Flex 512 silicone test leads (512 strand) for tangle-free operation. Banana plugs on both ends. Red and black leads only, 60" long. Wt., 5 oz.
	3500-14	Insulated Plug-on Test Probe – For use with No. 3500-12 or 3500-13 test leads. Length: 3 ⁹ / ₁₆ ". Provides positive contact up to 1000 volts during test procedures. Insulated body has a safety shock guard collar which reduces the risk of contact with voltage-carrying parts. Wt., 2 oz.
	3500-15	Insulated Mini-plunger Jaw Clip – For use with No. 3500-12 or 3500-13 test leads. Jaws securely grip thick wire and cable, ground leads and rails, even screw heads. Right-angle banana jack accepts Ultra-Flex test leads and other insulated and conventional banana plugs. Helps eliminate interference from the cable during testing. Wt., 2 oz.
	3500-16	Insulated Mini-plunger Clamp Clip – For use with No. 3500-12 or 3500-13 test leads. Makes difficult to reach test points accessible. Two wire hooks emerge from plunger tip and spread open as plunger is depressed. Solder leads, pins and wire up to 5mm can be gripped and held between the hooks. Highly flexible Bowden cable tip reaches into narrow passages. Length: 7". Wt., 2 oz.
	3500-17	Alligator Clips – For use with No. 3500-12 or 3500-13 test leads. Opens larger than standard clips. Fully insulated jaws. Wt., 2 oz.
	3500-18	Back Probe Test Lead Set – (3 ¹ / ₃₂ " O.D., 5 ¹ / ₆₄ " I.D.). Shape of tool conforms to shape of space...not tapered. Does not tend to crack the connector body. Not a pick or pin...no risk of damage by puncture. Includes probe with red and black 4 ft. test lead. Has banana plug on other end of lead. Fits Micro-Pack connectors. Wt., 3 oz.
	3500-19	Back Probe Test Lead Set – (1 ¹ / ₈ " O.D., 3 ¹ / ₃₂ " I.D.). Shape of tool conforms to shape of space...not tapered. Does not tend to crack the connector body. Not a pick or pin...no risk of damage by puncture. Includes probe with red and black 4 ft. test lead. Has banana plug on other end of lead. Fits Metri-Pack connectors. Wt., 3 oz.
	3500-22	Soft Carrying Case – Wt., 1 lb., 7 oz.
	7389	Intrusive Test Lead – "Bed of nails" penetrates the wire's insulation...testing can be done without stripping the component wires. Wt., 5 oz.