

Multimeters and Accessories



750 Series Automotive Multimeter



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: 1Hz ~ 10MHz $\pm 0.1\%$
- RPM (Direct Test with Leads): 0 - 10,000
- RPM (with RPM Pick UP): 0 - 10,000
- DWELL Angle: 0 - 360° (1 - 12 CYL)
- Duty Cycle: 0.1% ~ 99.9% $\pm 2.5\%$
- Pulse Width-ms (negative): 1 ~ 999ms
- Temperature: -50°C to 400°C, -58°F to 752°F
- DC Volts: 400mV/4/40/400V $\pm 0.5\%$, 1000V $\pm 0.8\%$
- AC Volts: TRMS - 4/40/400V $\pm 1.5\%$, 400mV/750V $\pm 2\%$
- DC Amps: 400/4000 μ A $\pm 2\%$, 40/400mA $\pm 1.5\%$, 4/10A $\pm 2\%$
- AC Amps: TRMS - 400/4000 μ A $\pm 2\%$, 40/400mA $\pm 2\%$, 4/10A $\pm 2.5\%$
- Resistance: 400 Ω /4/40/400k Ω $\pm 1\%$, 4/40M Ω $\pm 2\%$
- Capacitance: 40nF/400nF/4 μ F/40 μ F $\pm 3\%$, 400 μ F/4000 μ F $\pm 20\%$
- Dimensions (H x W x D): 20cm (H) x 9.2cm (W) x 4.1cm (D)

Features:

- Diode Test
- Continuity Test
- Auto Range
- Data Hold
- Relative Change
- Backlight
- Auto Power Off
- CATIII 1000V
- Min/Max
- RS232 & Cable
- Red & Black Test Leads
- Alligator Clips
- RPM Pickup Adapter
- Temp Probe Adapter
- Black Canvas Case
- PC Cable & Software

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

Features:

- Diode Test
- Continuity Test
- Auto Range
- Data Hold
- Relative Change
- Auto Power Off





Multimeter Family Comparison Chart

	     					
	3907	3908	3910	3940	3980	3990
Technical Specifications:						
Frequency:				1Hz ~ 10MHz ± 0.1%	1Hz ~ 10MHz ± 0.1%	10Hz ~ 1MHz
RPM (Direct Test with Leads):					0 - 10,000	
RPM (with RPM Pickup):					0 - 10,000	
DWELL Angle:					0 - 360° (1 - 12 CYL)	
Duty Cycle:				0.1% ~ 99.9% ± 2.5%	0.1% ~ 99.9% ± 2.5%	
Pulse Width-ms (negative):					1 ~ 999ms	
Temperature:			-50°C to 200°C, -58°F to 392°F		-50°C to 400°C, -58°F to 752°F	-40°C to 537°C, -40°F to 998°F
DC Volts:	200mV/2/20/200V ± 0.5%, 600V ± 0.8%	400mV/4/40/400V ± 0.5%, 600V ± 0.8%	200mV/2/20/200V ± 0.5%, 600V ± 0.8%	400mV/4/40/400V ± 0.5%, 1000V ± 0.8%	400mV/4/40/400V ± 0.5%, 1000V ± 0.8%	60mV/600mV/6V/60V/600V/1000V
AC Volts:	2/20/200V ± 0.8%, 200mV/600V ± 1.2%	TRMS-4/40/400V ± 1%, 400mV/600V ± 1.5%	2/20/200V ± 0.8%, 200mV/600V ± 1.5%	4/40/400V ± 0.8%, 400mV/750V ± 1.2%	TRMS - 4/40/400V ± 1.5%, 400mV/750V ± 2%	TRMS - 6V/60V/600V/1000V
DC Amps (through Meter):			400/4000µA ± 2%, 40/400mA ± 1.5%, 4/10A ± 2%	400/4000µA ± 2%, 40/400mA ± 1.5%, 4/10A ± 2%	400/4000µA ± 2%, 40/400mA ± 1.5%, 4/10A ± 2%	0.01mA to 600mA
AC Amps (through Meter):			200/2000µA ± 2.5%, 20/200mA ± 2%, 2/10A ± 2.5%	400/4000µA ± 2.5%, 40/400mA ± 2%, 4/10A ± 2.5%	TRMS - 400/4000µA ± 2%, 40/400A ± 2%, 4/10A ± 2.5%	3mA to 600mA
DC Amps (Inductive):		400A ± (1.5% + 5), 1000A ± (2% + 10)				
AC Amps (Inductive):		400A ± (2% + 5), 1000A ± (2.5% + 10)				
Resistance:	200Ω/2/20/200kΩ/2MΩ±1%, 20MΩ±2%	400Ω/4/40/400kΩ ± 1%, 4/40MΩ ± 2%	200Ω/2/20/200kΩ/2MΩ ± 1%, 20MΩ ± 2%	400Ω/4/40/400kΩ ± 1%, 4/40MΩ ± 2%	400Ω/4/40/400kΩ ± 1%, 4/40MΩ ± 2%	600Ω, 6kΩ, 60kΩ, 600kΩ, 6MΩ, 40MΩ
Capacitance:		400nF/4µF ± (2.5%+5), 40µF/100µF ± (5%+10)		40nF ± 3.5%, 400nF/4µF/40µF ± 3%, 400µF/4000µF ± 20%	40nF/400nF/4µF/40µF ± 3%, 400µF/4000µF ± 20%	
Insulation Testing						50V,100V,250V,500V,1000V
Features:						
Diode Test / Continuity Test	■	■	■	■	■	■
Auto Range	■	■	■	■	■	■
Auto Power Off	■	■	■	■	■	■
Data Hold		■	■	■	■	■
Backlight	■	■			■	■
True RMS		■			■	■
Relative Change				■	■	
Min/Max				■	■	■
Temperature Adapter			■		■	■
Hybrid Compatible / Class III					■	■
Alligator Clips					■	■
Class III Test Leads					■	■
Case		■			■	■
RS232 Computer Interface					■	
PC Cable and Software					■	
RPM Pickup Adapter					■	
Insulation Test (Hybrid)						■
Inductive Current Measurement		■				

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