

ALL NEW APPA 90 Series III Multimeter



APPA®

Advanced Instrument Technology Made Easy

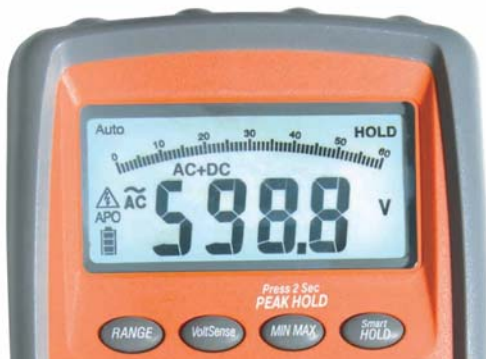
AUTOMATICALLY VOLTAGE DETECT WITH LOW IMPEDANCE

Special designed low impedance features with Automatically Voltage detect, designed to make electrical measurement easier and safer with extra reliability.



SMART AND SAFER DATA HOLD

Intelligent Designed Data Hold feature warns user with beeper sound, blinking backlit display once the LCD reading was hold at an uncertain operation to avoid accident activation of data hold.



AC+DC TRUE RMS

Every APPA 90 series III meter has AC+DC True RMS reading on both Ampere and Voltage function for better accuracy of measurement.

NEW SLIM DESIGN

Ergonomically designed slim shape with one hand operated knob and buttons. Just fit the palm of your hand and your needs.



BATTERY EASY TO REPLACE

Unscrew only one screw to remove battery door for battery replacement, designed for user's convenience without opening the bottom case.



NON CONTACT VOLTAGE DETECTING

APPA New 90 series III have VoltSense™ feature to detect live cable and outlet without contact also find the cable alignment behind the wall as cable finder.





APPA 98III

- 6000 count digital display with 62 segment bar graph
- Extra Large scale display and white backlit
- AC+DC True RMS
- 0.1% basic DCV accuracy
- Automatic AC/DC Voltage detect with low impedance (Auto-V LoZ)
- VoltSense™ (Non-Contact Voltage detect)
- Smart Data Hold
- Min/Max Function
- Frequency Counter on AC mode
- Capacitance Measurement
- Low battery indicator with segments
- Auto Power Off (20 minutes)
- Shock proof from 4 feet drop
- CAT. IV 600V/CAT. III 1000V Safety standard



APPA 99III

- 6000 count digital display with 62 segment bar graph
- Extra Large scale display and white backlit
- AC+DC True RMS
- 0.08% basic DCV accuracy
- Automatic AC/DC Voltage detect with low impedance (Auto-V LoZ)
- VoltSense™ (Non-Contact Voltage detect)
- Smart Data Hold
- Peak Hold (1ms)
- Min/Max Function
- Frequency Counter on AC mode.
- Capacitance Measurement
- Temperature Measurement
- Low battery indicator with segments
- Auto Power Off (20 minutes)
- Shock proof from 4 feet drops
- CAT. IV 600V/CAT.III 1000V Safety standard

APPA 90III SERIES MULTIMETERS

FEATURES:

	APPA 98III	APPA 99III
Digital display	6000 count	6000 count
Analog Bargraph display	62 segments	62 segments
Auto AC/DC detection	.	.
Automatic AC/DC voltage detector with low impedance(Auto-V LoZ)	.	.
True RMS measuring	AC+DC	AC+DC
AC+DC mA measurement	.	.
AC+DC mV measurement	.	.
Smart data hold	.	.
Peak hold	N/A	.
Min/Max function	.	.
VoltSense™ (None Contact Voltage)	.	.
Frequency counter	.	.
Capacitance measurement	.	.
Audible continuity and Diode test	.	.
Temperature measurement	N/A	.
Active Backlit	.	.
Automatic power shut off	.	.
Low battery indicator with segments	.	.
Water/Dust Resistant	.	.
Shock proof from 4 feet drops	.	.
Standard full-sleeve safety test leads	.	.

SPECIFICATIONS:(All at 23°C±5°C, ≤ 80% R. H.)

DCV:	Ranges	600.0mV, 6.000V, 60.00V, 600.0V, 1000V	600.0mV, 60.00mV, 6.000V, 60.00V, 600.0V, 1000V
	Resolution	0.1mV	0.1mV
	Basic Accuracy	±(0.09%+2d)	±(0.08%+2d)
	Input Impedance: 10MΩ	.	.
	Overload Protection: 1000V rms	.	.
ACV:	Ranges	600.0mV, 6.000V, 60.00V, 600.0V, 1000V	600.0mV, 60.00mV, 6.000V, 60.00V, 600.0V, 1000V
	Resolution	1mV	1mV
	Basic Accuracy	±(1.0%+3d) at 50Hz~1KHz	±(0.8%+3d) at 50Hz~1KHz
	Input Impedance: 10MΩ //<100pF	.	.
	Overload Protection: 1000V rms	.	.
Auto-V LoZ:	Ranges	AC+DC True RMS 600.0V	AC+DC True RMS 600.0V
	Resolution	0.1V	0.1V
	Basic Accuracy	±(1.0%+3d) at 50Hz~1KHz	±(0.8%+3d) at 50Hz~1KHz
	Input Impedance: 6KΩ	.	.
	Overload Protection: 1000V rms	.	.
AC+DC V:	Ranges	6.000V, 60.00V, 600.0V, 1000V	6.000V, 60.00V, 600.0V, 1000V
	Resolution	0.01V	0.01V
	Basic Accuracy	±(2.5%+5d)	±(2%+5d)
	Overload Protection: 1000V rms	.	.
	Conversion Type	AC+DC True RMS	AC+DC True RMS
AC+DC mV:	Ranges	600.0mV, 60.00mV, 6.000mV, 600.0mV	60.00mV, 6.000mV, 600.0mV
	Resolution	0.01mV	0.01mV
	Basic Accuracy	±(2.5%+5d)	±(2%+5d)
	Overload Protection: 1000V rms	.	.
	Conversion Type	AC+DC True RMS	AC+DC True RMS
DCA:	Ranges	60.00mA, 600.0mA, 6.000A, 10.00A	600.0mA, 60.00mA, 6.000A, 10.00A
	Resolution	0.1 mA	0.01 mA
	Basic Accuracy	±(1.0%+3d)	±(0.8%+3d)
	Overload Protection: 11A or 440mA	.	.
	Conversion Type	AC+DC True RMS	AC+DC True RMS
ACA:	Ranges	60.00mA, 600.0mA, 6.000A, 10.00A	600.0mA, 60.00mA, 6.000A, 10.00A
	Resolution	0.1 mA	0.01 mA
	Basic Accuracy	±(1.5%+3d) at 50Hz~1KHz	±(1.2%+3d) at 50Hz~1KHz
	Overload Protection: 11A or 440mA	.	.
	Conversion Type	AC+DC True RMS	AC+DC True RMS
AC+DC A:	Ranges	6.000A, 10.00A	6.000A, 10.00A
	Resolution	1mA	1mA
	Basic Accuracy	±(2.5%+3d) at 50Hz~1KHz	±(2%+3d) at 50Hz~1KHz
	Overload Protection: 11A	.	.
	Conversion Type	AC+DC True RMS	AC+DC True RMS
AC+DC mA:	Ranges	60.00mA, 600.0mA	60.00mA, 600.0mA
	Resolution	0.01mA	0.01mA
	Basic Accuracy	±(2.5%+3d)	±(2%+3d)
	Overload Protection: 440mA	.	.
	Conversion Type	AC+DC True RMS	AC+DC True RMS
OHM:	Ranges	600.0Ω~40.00MΩ	600.0Ω~40.00MΩ
	Resolution	0.01KΩ	0.01KΩ
	Basic Accuracy: 600.0Ω	±(0.8%+10d)	±(0.8%+10d)
	6.000KΩ, 60.00KΩ, 600.0KΩ, 6.00MΩ	±(0.8%+2d)	±(0.8%+2d)
	40.00MΩ	±(1.0%+5d)	±(1.0%+5d)
Overload Protection: 1000V rms	.	.	
Continuity Beeper: <30Ω, 2.7KHz tone buzzer	.	.	
Diode Test: Open circuit voltage: 2.5V max	.	.	
Frequency Counter:	Ranges	100Hz~100.0KHz	100Hz~100.0KHz
	Resolution	0.01Hz	0.01Hz
	Basic Accuracy: ±(0.1%+2d)	.	.
	Sensitivity: >5V, ≥10V, ≥2mA, ≥0.2A	.	.
	Overload Protection: 1000V rms or 11A	.	.
Capacitance:	Ranges	1.000μF~10.00mF	1.000μF~10.00mF
	Resolution	0.001μF	0.001μF
	Basic Accuracy: ±(1.2%+2d)	.	.
	Overload Protection: 1000V rms	.	.
	Conversion Type	AC+DC True RMS	AC+DC True RMS
Temperature:	Ranges	NA	-40°C~400°C -40°F~752°F
	Resolution	.	0.1°C 0.1°F
	Basic Accuracy	.	±(1%+10d) ±(1%+18d)
	Overload Protection: 1000V rms	.	.
	Conversion Type	AC+DC True RMS	AC+DC True RMS

GENERAL:

Sampling Rate: 3times/sec	.	.
Overload Indication: "OL" or "-OL"	.	.
Low Battery Indication	□	□
Auto Power Off: Approx. 20 minutes	.	.
Operating Temperature: -10°C~50°C, ≤80% RH	.	.
Storage Temperature: -20°C ~ 60°C	.	.
Temperature Coefficient: 0.15(Spec. Acc)/°C, <18°C or >28°C	.	.
Safety: IEC 61010 and designed to meet UL61010 specifications	CAT. IV, 600V, CAT. III 1000V	CAT. IV, 600V, CAT. III 1000V
Power Requirement: Single 9V battery (NEDA 1604G or IEC LF22)	.	.
Battery Life: In hours (Alkaline battery)	150	150
Size: 94mm(W) x 190mm (L) x 48 mm(H), with holster	.	.
Weight: In grams (with holster)	460	460
Included with instrument: Test Leads, Protective holster ZnC battery (installed) and manual	.	(also including Temperature Probe)

Specification subject to change without notice.

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