

APPA 90III SERIES MULTIMETERS

FEATURES:

Digital display	APPA 98III	APPA 99III
Analog Bargraph display	6000 count	6000 count
Auto AC/DC detection	62 segments	62 segments
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		
Min/Max function	N/A	
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-sieve safety test leads		

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

DCV:	Resolution	600.0mV, 6.000V, 60.00V, 600.0V, 1000V	600.0mV, 60.00mV, 6.000V, 60.00V, 600.0V, 1000V
	Basic Accuracy	0.1mV	0.1mV
	Input Impedance:10MΩ	±(0.09%+2d)	±(0.08%+2d)
	Overload Protection: 1000V rms		
ACV:	Resolution	600.0mV, 6.000V, 60.00V, 600.0V, 1000V	600.0mV, 60.00mV, 6.000V, 60.00V, 600.0V, 1000V
	Basic Accuracy	1mV	1mV
	Input Impedance:10MΩ //≤100pF	±(1.0%+3d) at 50Hz~1KHz	±(0.8%+3d) at 50Hz~1KHz
	Overload Protection: 1000V rms		
	Conversion Type	AC+DC True RMS	AC+DC True RMS
Auto-V LoZ:	Resolution	600.0V	600.0V
	Basic Accuracy	0.1V	0.1V
	Input Impedance:6KΩ	±(1.0%+3d) at 50Hz~1KHz	±(0.8%+3d) at 50Hz~1KHz
	Overload Protection: 1000V rms		
AC+DC V:	Resolution	6.000V, 60.00V, 600.0V, 1000V	6.000V, 60.00V, 600.0V, 1000V
	Basic Accuracy	0.01V	0.01V
	Overload Protection: 1000V rms	±(2.5%+5d)	±(2%+5d)
AC+DC mV:	Resolution	600.0mV	60.00mV, 600.0mV
	Basic Accuracy	0.01mV	0.01mV
	Overload Protection: 1000V rms	±(2.5%+5d)	±(2%+5d)
DCA:	Resolution	60.00mA, 600.0mA, 6.000A, 10.00A	600.0mA, 60.00mA, 6.000A, 10.00A
	Basic Accuracy	0.1 mA	0.01 mA
	Overload Protection: 11A or 440mA	±(1.0%+3d)	±(0.8%+3d)
ACA:	Resolution	60.00mA, 600.0mA, 6.000A, 10.00A	600.0mA, 60.00mA, 6.000A, 10.00A
	Basic Accuracy	0.1 mA	0.01 mA
	Overload Protection: 11A or 440mA	±(1.5%+3d) at 50Hz~1KHz	±(1.2%+3d) at 50Hz~1KHz
	Conversion Type	AC+DC True RMS	AC+DC True RMS
AC+DC A:	Resolution	6.000A, 10.00A	6.000A, 10.00A
	Basic Accuracy	1mA	1mA
	Overload Protection: 11A	±(2.5%+3d) at 50Hz~1KHz	±(2%+3d) at 50Hz~1KHz
AC+DC mA:	Resolution	60.00mA, 600.0mA	60.00mA, 600.0mA
	Basic Accuracy	0.01mA	0.01mA
	Overload Protection: 440mA	±(2.5%+3d)	±(2%+3d)
OHM:	Resolution	600.0Ω~40.00MΩ	600.0Ω~40.00MΩ
	Basic Accuracy: 600.0Ω	0.01KΩ	0.01KΩ
	6.000KΩ, 60.00KΩ, 600.0KΩ, 6.00MΩ	±(0.8%+10d)	±(0.8%+10d)
	40.00MΩ	±(0.8%+2d)	±(0.8%+2d)
	Overload Protection: 1000V rms	±(1.0%+5d)	±(1.0%+5d)
Continuity Beeper:		<300, 2.7KHz tone buzzer	
Diode Test:		Open circuit voltage: 2.5V max	
Frequency Counter:	Resolution	100Hz~100.0KHz	100Hz~100.0KHz
	Basic Accuracy: ±(0.1%+2d)	0.01Hz	0.01Hz
	Sensitivity: >5V, >10V, >2mA, >0.2A		
	Overload Protection: 1000V rms or 11A		
Capacitance:	Resolution	1.000μF~10.00mF	1.000μF~10.00mF
	Basic Accuracy: ±(1.2%+2d)	0.001μF	0.001μF
	Overload Protection: 1000V rms		
Temperature:	Resolution		-40°C~400°C
	Basic Accuracy	NA	-40°F~752°F
	Overload Protection: 1000V rms		±(1%+10d)
			±(1%+18d)

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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ISO 9001 CERTIFIED

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.



NEW SLIM DESIGN

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



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.

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.



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



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.

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 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

ALL NEW APPA 90 Series III Multimeter



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Advanced Instrument Technology Made Easy