

ALL NEW APPA 90 Series III Multimeter



APPA®

Advanced Instrument Technology Made Easy

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	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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