

ALL NEW APPA 90 Series II Multimeter



APPA®

Advanced Instrument Technology Made Easy



DAY & NIGHT

APPA 99II Digital Multimeter has a LED backlit display that turns ON/OFF at the touch of a button, also automatically goes off to save battery life.

NO-OPTION FULL ACCESSORIES

Ergonomically designed test leads with comfort-grip, safety-shrouded, full sleeve right angle plug and hard alloy tips for long life. Slip-on insulated alligator clips are standard. Also supplied with temperature adaptor and bead sensor. (Mode 99II)



WHOLE NEW SHAPE

A whole new designed V shape represent a new millennium of instrumentation.



EXTRA PROTECTION

Every 90II series meter is supplied with a protective holster that includes a built-in tilt stand, a nail hook, and convenient test lead storage. This holster provides an extra degree of protection and convenience for your meter



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 97II

- 3400 count digital display
- 70 segment analog bar graph
- Large scale display
- Autoranging and manual selection
- 0.25% DCV accuracy
- Hz reading on AC mode
- Frequency Counter
- Data Hold
- Stream Line Design, Protective Holster
- CAT. III 600V/CAT.II 1000V Safety Standard



APPA 98II

- 4000 count digital display
- 82 segment analog bar graph
- Large scale display
- Autoranging and manual selection
- 0.25% DCV accuracy
- True RMS Indication
- Hz reading on AC mode
- Frequency Counter
- Capacitance Measurement
- Data Hold
- Stream Line Design, Protective Holster
- CAT. III 600V/CAT.II 1000V Safety Standard



APPA 99II

- 4000 count digital display
- 82 segment analog bar graph
- Backlit, Large scale display
- Autoranging and manual selection
- 0.25% DCV accuracy
- True RMS Indication
- Peak Hold
- Data Hold
- Relative feature
- Min/Max function
- Frequency Counter
- Capacitance Measurement
- °C/ °F Temperature test
- Stream Line Design, Protective Holster
- CAT. III 600V/CAT.II 1000V Safety Standard

APPA 90II SERIES MULTIMETER

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

	APPA 97II	APPA 98II	APPA 99II
DCV:	Ranges 300mV ~ 1000V Resolution 100µV Accuracy ±(0.25%+1d)	Ranges 400mV ~ 1000V Resolution 100µV Accuracy ±(0.25%+1d), 40V~1000V	Ranges 400mV ~ 1000V Resolution 100µV Accuracy ±(0.25%+1d), 40V~1000V
ACV:	Ranges 3V ~ 750V Resolution 1mV Accuracy ±(1.3%+5d), 3V(40Hz ~ 500Hz) Bandwidth 40Hz ~ 1KHz	Ranges 400mV ~ 750V Resolution 0.1mV Accuracy ±(1.3%+5d), 40V~750V Bandwidth 40Hz ~ 1KHz	Ranges 400mV ~ 750V Resolution 0.1mV Accuracy ±(1.3%+5d), 40V~750V Bandwidth 40Hz ~ 1KHz
DCA:	Ranges 30mA ~ 10A Resolution 10µA Accuracy ±(1.5%+2d), 30mA ~ 300mA	Ranges 40mA ~ 10A Resolution 10µA Accuracy ±(0.6%+2d), 40mA	Ranges 40mA ~ 10A Resolution 10µA Accuracy ±(0.6%+2d), 40mA
ACA:	Ranges 30mA ~ 10A Resolution 10µA Accuracy ±(2.0%+5d), 30mA ~ 300mA Bandwidth 40Hz ~ 1KHz	Ranges 40mA ~ 10A Resolution 10µA Accuracy ±(2.0%+5d), 40mA ~ 400mA Bandwidth 40Hz to 1KHz	Ranges 40mA ~ 10A Resolution 10µA Accuracy ±(2.0%+5d), 40mA ~ 400mA Bandwidth 40Hz to 1KHz
Ω	Ranges 300Ω ~ 30MΩ Resolution 0.1Ω Accuracy ±(0.7%+3d), 3KΩ ~ 300KΩ	Ranges 400Ω ~ 40MΩ Resolution 0.1Ω Accuracy ±(0.4%+3d), 4KΩ~400KΩ	Ranges 400Ω ~ 40MΩ Resolution 0.1Ω Accuracy ±(0.4%+3d), 4KΩ~400KΩ
Diode Test:	Max Test Current 1.5mA Open Circuit Voltage 3V Input Protection 600Vrms	Max Test Current 1.5mA Open Circuit Voltage 3V Input Protection 600Vrms	Max Test Current 1.5mA Open Circuit Voltage 3V Input Protection 600Vrms
Continuity Test:	Continuity Threshold Approx. 30Ω Continuity Indicator 2KHz Tone Buzzer Input Protection 600Vrms	Continuity Threshold Approx. 30Ω Continuity Indicator 2KHz Tone Buzzer Input Protection 600Vrms	Continuity Threshold Approx. 30Ω Continuity Indicator 2KHz Tone Buzzer Input Protection 600Vrms
Hz:	Ranges 3.0KHz ~ 30MHz Resolution 1Hz Accuracy ±(0.01%+1d)	Ranges 4KHz ~ 40MHz Resolution 1Hz Accuracy ±(0.01%+1d)	Ranges 4KHz ~ 40MHz Resolution 1Hz Accuracy ±(0.01%+1d)
RPM:	Ranges 30KRPM ~ 300MRPM Resolution 30RPM Accuracy ±(0.01%+10d)	Ranges 40KRPM ~ 400MRPM Resolution 10RPM Accuracy ±(0.01%+10d)	Ranges 40KRPM ~ 400MRPM Resolution 10RPM Accuracy ±(0.01%+10d)
Capacitance:	Ranges NA Resolution NA Accuracy NA	Ranges 4nF ~ 40mF Resolution 1pF Accuracy ±(2%+5d), 40nF~400µF	Ranges 4nF ~ 40mF Resolution 1pF Accuracy ±(2%+5d), 40nF~400µF
VAHz:	Ranges AC: 3V ~ 750V, 30mA ~ 10A Resolution 1Hz Accuracy ±(0.01%+1d)	Ranges AC: 400mV ~ 750V, 40mA ~ 10A Resolution 1Hz Accuracy ±(0.01%+5d)	Ranges NA Resolution NA Accuracy NA
°C/°F:	Ranges NA Resolution NA Accuracy NA	Ranges NA Resolution NA Accuracy NA	Ranges - 20°C ~ 800°C Resolution 1°C Accuracy ±(2%+4°C), -20°C ~ 350°C ±(2%+2°C), 351°C ~ 500°C ±(3%+2°C), 501°C ~ 800°C

GENERAL SPECIFICATIONS:

Display	3400 count	4000 count	4000 count
Analog Bargraph Display	70 segments	82 segments	82 segments
Overrang Indication	"OL" or "-OL"	"OL" or "-OL"	"OL" or "-OL"
Sampling Rate	2 times/sec	2 times/sec	2 times/sec
Auto Power Off	Approx. 30 minutes	Approx. 30 minutes	Approx. 30 minutes
Storage Temperature: -20°C to 60°C, 0 to 80% R.H.	•	•	•
Temperature Coefficient: 0.15 x (Spec. Acc'y)/°C, < 18°C, > 28°C.	•	•	•
Safety Standard IEC 61010 & designed to meet UL 3111, CAT. III 600V/CAT. II 1000V	•	•	•
Power Requirement: Standard 9V battery NEDA 1604, IEC6F22, JIS006P, IEC LR03, AM4 or AAA size 1.5V x 2.	•	•	•
Battery Life	Alkaline 500 hours	Alkaline 300 hours.	Alkaline 300 hours.
Dimensions (W x L x H)	88mm x 180mm x 33.5mm 94mm x 188mm x 40mm, with holster	88mm x 180mm x 33.5mm 94mm x 188mm x 40mm, with holster	88mm x 180mm x 33.5mm 94mm x 188mm x 40mm, with holster
Weight: In grams (with holster)	460	460	460
Accessories	Protective holster, ZnC battery (installed), test leads, test clips and manual.	Protective holster, ZnC battery (installed), test leads, test clips and manual.	Protective holster, ZnC battery (installed), test leads, test clips, Temp. adaptor, Bead sensor and manual.

Specifications subject to change without notice.

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