

APPA 80 Series Multimeter

Leading Edge Features On a Tight Budget



APPA®

Advanced Instrument Technology Made Easy



APPA 80

- 3400 count digital display
- 70 segments analog bar graph
- Autoranging and manual selection
- 0.5% basic DCV accuracy
- Data Hold
- Auto Power Off
- Shock proof from 4 feet drops
- Protective Holster and tilt stand
- CAT. III 600V/CAT. II 1000V
- Safety Standard



APPA 82 APPA 82R (True -RMS reading)

- 4000 count digital display
- 82 segments analog bar graph
- Autoranging and manual selection
- True RMS reading or AC mode (82R)
- 0.5% basic DCV accuracy
- Data Hold
- Frequency Counter
- Capacitance Measurement
- Hz reading on AC mode
- Auto Power Off
- Shock proof from 4 feet drops
- Protective Holster and tilt stand
- CAT. III 600V/CAT. II 1000V
- Safety Standard

APPA 80 SERIES MULTIMETER

FEATURES:	APPA 80	APPA 82/82R
Digital display	3400 count	4000 count
Analog bar graph	70 segments	82 segments
Range selection	Auto/Manual	Auto/Manual
True RMS measuring		•82R
Frequency counter		•
Capacitance measurement		•
Audible continuity and Diode test	•	•
Data hold	•	•
Automatic power shut off	•	•
Shock proof from 4 feet drops	•	•
Standard full-sleeve safety test leads	•	•
Protective holster	Option	Option

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

DCV:	Ranges	300.0mV~1000V	400mV~1000V
Resolution		0.1mV	0.1mV
Accuracy: ±(0.5%+2d)		•	•
Input Impedance:10MΩ		•	•
Overload Protection: 1000V rms		•	•
ACV:	Ranges	3.000V~750V	400.0mV~750V
Resolution		1mV	0.1mV
Accuracy: 400mV(Unspecified), 3V/ 4V		±(1.5%+5d)	±(1.5%+5d)
30V/ 40V, 300V/ 400V, 750V		±(1.5%+5d)	±(1.3%+5d)
Frequency Response: 40Hz~500Hz		•	•
Input Impedance:10MΩ/ <100pF		•	•
Overload Protection: 1000V rms		•	•
Conversion Type:		•	•82R True-RMS
Average sensing RMS indicating			
DCA:	Ranges	300.0μA, 3000μA, 10.00A	400.0μA, 4000μA, 10.00A
Resolution		0.1μA	0.1μA
Accuracy: 300μA/ 400μA, 3000μA/ 4000μA		±(1.7%+2d)	±(1.7%+2d)
10A		±(2.0%+2d)	±(2.0%+2d)
Input Protection: 600V rms for μA input		•	•
16A / 500V fast blow fuse for A input		•	•
ACA:	Ranges	300.0μA, 3000μA, 10.00A	400.0μA, 4000μA, 10.00A
Resolution		0.1μA	0.1μA
Accuracy: 300μA / 400μA, 3000μA/ 4000μA		±(2.2%+5d)	±(1.7%+2d)
10A		±(2.5%+5d)	±(2.0%+2d)
Frequency Response: 40Hz~500Hz		•	•
Input Protection: Same as DCA		•	•
Conversion Type:		•	•82R True-RMS
Average sensing RMS indicating			
OHM:	Ranges	300.0Ω~30.00MΩ	400.0Ω~40.00MΩ
Resolution		0.1Ω	0.1Ω
Accuracy: 300Ω / 400Ω		±(1.0%+4d)	±(1.0%+3d)
3KΩ/ 4KΩ, 30KΩ/ 40KΩ, 300KΩ/ 400KΩ		±(0.75%+3d)	±(0.75%+2d)
3MΩ/ 4MΩ		±(1.0%+3d)	±(1.0%+3d)
30MΩ/ 40MΩ		±(2.0%+5d)	±(1.5%+5d)
Overload Protection: 600V rms		•	•
Continuity Beeper: <30±, 2KHz tone buzzer		•	•
Diode Test: Open circuit voltage: 3V		•	•
Frequency Counter: Ranges			4.000KHz~40.00MHz
Resolution			1Hz
Accuracy: 4KHz, 40KHz, 400KHz at 100mV rms			±(0.01%+1d)
4MHz at 250mV rms			±(0.01%+1d)
40MHz at 1V rms			±(0.01%+1d)
Overload Protection: 600V rms			•
Capacitance: Ranges			4.000nF~40.00mF
Resolution			1pF
Accuracy: 4nF, 40nF			±(3.0%+10d)
4μF, 40μF, 400μF			±(2.0%+8d)
4mF, 40mF			±(5.0%+20d)
Overload Protection: 600V rms			•

GENERAL:

Sampling Rate: 2times/sec for digital display 12times/sec for analog bar graph	•	•
Overload Indication	"OL" or "-OL"	"OL" or "-OL"
Low Battery Indication	± ±	± ±
Auto Power Off: Approx. 10 minutes	•	•
Operating Temperature: 0°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 UL3111 specifications	CAT. III 600V CAT. II 1000V	CAT. III 600V CAT. II 1000V
Power Requirement: Single 9V battery (NEDA 1604 or IEC 6F22) IEC LR03, AM4 or AAA size 1.5V x 2	•	•82R
Battery Life: In hours (Alkaline battery)	500	300
Size: 85mm(W) x 177mm (L) x 38 mm(H), without holster 90mm(W) x 186mm (L) x 46mm (H), with holster	•	•
Weight: In grams (with holster)	400	400, (82R) 430
Included with instrument: Test Leads, ZnC battery (installed) and manual	•	•

Specifications subject to change without notice.
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