

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

	3400 count	4000 count	
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:10M	*	*
	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	±(1.8%+5d)	±(1.3%+5d)
	Frequency Response: 40Hz-500Hz	*	*
	Input Impedance:10M //<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	300.0 -30.00M	400.0 -40.00M
	Resolution	0.1	0.1
	Accuracy: 300 / 400	±(1.0%+4d)	±(1.0%+3d)
	3K / 4K , 30K / 40K , 300K / 400K	±(0.75%+3d)	±(0.75%+2d)
	3M / 4M	±(1.0%+3d)	±(1.0%+3d)
	30M / 40M	±(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)		*82R
	IEC LR03, AA4 or AAA size 1.5V x 2	*	*
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	*	*

ifications subject to change without notice.
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