

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

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	*	*
DCA:	Input Impedance: 10MΩ/≤100pF	*	*
	Overload Protection: 1000V rms	*	*
	Conversion Type:	*	+82R True-RMS
	Average sensing RMS indicating	*	*
	Ranges	300.0μA, 3000μA, 10.00A	400.0μA, 4000μA, 10.00A
ACA:	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	*	*
OIM:	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)
Continuity Buzzer:	30MΩ/ 40MΩ	±(2.0%+5d)	±(1.5%+5d)
	Overload Protection: 600V rms	*	*
	<30Ω, 2KHz tone buzzer	*	*
	Diode Test: Open circuit voltage: 3V	*	*
	Frequency Counter: Ranges		4.000KHz~40.00MHz
Capacitance:	Resolution	1Hz	1Hz
	Accuracy: 4KHz, 40KHz, 400KHz at 100mV rms	±(0.01%+1d)	±(0.01%+1d)
	4MHz at 250mV rms	±(0.01%+1d)	±(0.01%+1d)
	40MHz at 1V rms	±(0.01%+1d)	±(0.01%+1d)
	Overload Protection: 600V rms	*	*
GENERAL:	Ranges		4.000nF~40.00mF
	Resolution		1pF
	Accuracy: 4nF, 40nF	±(3.0%+10d)	±(3.0%+10d)
	4μF, 40μF, 400μF	±(2.0%+8d)	±(2.0%+8d)
	4mF, 40mF	±(5.0%+20d)	±(5.0%+20d)
Power Requirement:	Overload Protection: 600V rms	*	*
	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	*	*
Weight:	90mm(W) x 186mm (L) x 46mm (H), with holster	*	*
	In grams (with holster)	400	400, (82R) 430
	Included with instrument: Test Leads, ZnC battery (installed) and manual	*	*

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
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