

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: 10MW	*	*
	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: 10MW<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-30.00MW	400.0Ω-40.00MW
	Resolution	0.1Ω	0.1Ω
	Accuracy: 300Ω/ 400Ω	±(1.0%+4d)	±(1.0%+3d)
	3KW 4KW, 30KW 40KW, 300KW 400KW	±(0.75%+3d)	±(0.75%+2d)
	3MW 4MW	±(1.0%+3d)	±(1.0%+3d)
	30MW 40MW	±(2.0%+5d)	±(1.5%+5d)
	Overload Protection: 600V rms	*	*
Continuity Beeper:	<30Ω, 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: 20times/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, E80% 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, AA4 or AAA size 1.5V x 2	*	+82R
Battery Life: In hours (Alkaline battery)	500	300
Size: 85mm(W) x 137mm (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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Distrubuted by:

APPA TECHNOLOGY CORPORATION

9F, 119-1 Pao-Zong Rd., Shintien, Taipei, 231, TAIWAN

Tel: +886-2-29178820 Fax: +886-2-29170848

E-mail: info@appatech.com · http://www.appatech.com

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