

APPA 500 SERIES MULTIMETERS

FEATURES:	APPA 503	APPA 505	APPA 507
Digital display	4,000/40,000 count	10,000/100,000 count	50,000 count
Analog Bar graph Segments	43	43	N/A
Self-Calibration	-	-	-
True RMS reading	AC, AC+DC, HFR AC	AC, AC+DC, HFR AC	AC, AC+DC, HFR AC
Auto Backlit, Dual Display	-	-	-
Auto detect AC, DC and AC+DC on Voltage & Current mode with Frequency indication	-	-	-
Auto Selection on Ohm, Capacitance, Diode or Continuity	-	-	-
On-Screen-Menu Selection	-	-	-
Navigator Key Drive	-	-	-
High Frequency Rejection (HFR)	-	-	-
Peak Hold	-	-	N/A
Auto Hold	-	-	-
MIN/MAX/AVG	-	-	-
Relative Mode	-	-	-
Duty Cycle	-	-	N/A
Store/Recall memories	100	100	100
dBm/dB measurement	-	-	N/A
Data Logging Capacity	20,000	20,000	N/A
Log rate setting	-	-	-
Optical interface	-	-	-
Automatic power shut off with selectable time	-	-	-
Besp Guard with Auto fuse detection	-	-	-
All weather housing	-	-	-
Full Accessories	-	-	-

SPECIFICATIONS: All at 23°C ± 5°C, ≤ 80% R.H. The following spec. are listed for maximum display count mode.

DCV:	APPA 503	APPA 505	APPA 507
Ranges	40mV to 1000V	100mV to 1000V	50mV to 1000V
Resolution	0.001mV	0.001mV	0.001mV
Basic Accuracy	±(0.05%+20d)	±(0.015%+20d)	±(0.05%+20d)
ACV: <td></td> <td></td> <td></td>			
Ranges	40mV to 1000V	100mV to 1000V	50mV to 1000V
Resolution	0.001mV	0.001mV	0.001mV
Basic Accuracy	±(0.70%+50d)	±(0.4%+50d)	±(0.70%+50d)
Bandwidth	40Hz to 100kHz	40Hz to 100kHz	40Hz to 10kHz
Overload Protection: 1000V rms	-	-	-
JACO/DCV: <td></td> <td></td> <td></td>			
Ranges & Resolution: Same as ACV, except Accuracy	-	-	-
Ranges	40mA to 10A	10mA to 10A	50mA to 1A
Resolution	1µA	0.1µA	1µA
Basic Accuracy	±(0.2%+4d)	±(0.1%+4d)	±(0.25%+20d)
DCA: <td></td> <td></td> <td></td>			
Ranges & Resolution: Same as ACA, except Accuracy	-	-	-
Ranges	40mA to 10A	10mA to 10A	50mA to 1A
Resolution	1µA	0.1µA	1µA
Basic Accuracy	±(0.2%+20d)	±(0.7%+20d)	±(0.2%+20d)
Bandwidth	40Hz to 100kHz	40Hz to 100kHz	40Hz to 10kHz
Input Protection: 440mA/1000V & 11A/1000V DC/AC high energy fuse	-	-	-
JAC/DCA: <td></td> <td></td> <td></td>			
Ranges & Resolution: Same as ACA, except Accuracy	-	-	-
Ranges	400Ω to 40MΩ	1000Ω to 40MΩ	500Ω to 50MΩ
Resolution	0.01Ω	0.01Ω	0.01Ω
Basic Accuracy	±(0.2%+30d)	±(0.02%+30d)	±(0.1%+10d)
Continuity & Diode Test: <td></td> <td></td> <td></td>			
Ranges	<50Ω 2kHz Tone Buzzer, Open Circuit Voltage: ±3V	-	-
Frequency Counter: <td></td> <td></td> <td></td>			
Ranges	40Hz to 4MHz	40Hz to 4MHz	N/A
Resolution	0.001Hz	0.001Hz	N/A
Basic Accuracy	±(0.002%+1d)	±(0.002%+1d)	N/A
Duty Factor: <td></td> <td></td> <td></td>			
Ranges	20% to 80%	20% to 80%	N/A
Resolution	0.1%	0.1%	N/A
Basic Accuracy: <td></td> <td></td> <td></td>			
5Hz to 10kHz, 5Vpp	±(0.1%+10d)	±(0.1%+10d)	N/A
Capacitance: <td></td> <td></td> <td></td>			
Ranges	40nF to 40mF	40nF to 40mF	N/A
Resolution	0.01nF	0.01nF	N/A
Basic Accuracy	±(0.8%+2d)	±(0.8%+2d)	N/A
°C/°F: <td></td> <td></td> <td></td>			
Ranges	-200°C to 1200°C	-200°C to 1200°C	N/A
Resolution	0.1°C	0.1°C	N/A
Basic Accuracy: <td></td> <td></td> <td></td>			
±(1%+1°C)	-	-	-
Output - Source Mode: <td></td> <td></td> <td></td>			
Ranges	N/A	N/A	0mA to 24mA
(Int. Battery Operation)	N/A	N/A	1µA
Resolution	N/A	N/A	±2d
Basic Accuracy	N/A	N/A	±2d
Output - Simulate Mode: <td></td> <td></td> <td></td>			
Ranges	N/A	N/A	>24V / 24mA / 1.2kΩ
(Ext. 24V Loop Supply)	N/A	N/A	±2d
Resolution	N/A	N/A	±2d
Basic Accuracy	N/A	N/A	>24V / 24mA / 1kΩ
Output - Loop Power Mode: <td></td> <td></td> <td></td>			
Ranges	N/A	N/A	50mA
Resolution	N/A	N/A	1µA
Basic Accuracy	N/A	N/A	±(0.05%+2d)
Driver	N/A	N/A	>24V / 24mA / 250Ω

GENERAL:	APPA 503	APPA 505	APPA 507
Sampling Rate	3times/sec	6times/sec	6times/sec
Overload Indication: "OL" or "OL"	-	-	-
Low Battery Indication	-	-	-
Auto Power Off: Selectable from off, 1-60 minutes, Default 30 minutes	-	-	-
Operating Temperature: 0°C - 50°C, ±80% RH	-	-	-
Storage Temperature: -20°C - 60°C	-	-	-
Temperature Coefficient: 0.1% (Spec. Acc) / °C, <18°C or >28°C	-	-	-
Safety: IEC 61010 and designed to meet UL61010 specifications	-	-	-
Power Requirement: AA size 1.5V x 4 batteries (NEDA 15A or IEC LR6)	CAT. IV, 600V, CAT. III 1000V	CAT. IV, 600V, CAT. III 1000V	CAT. IV, 600V, CAT. III 1000V
Battery Life: In hours (Alkaline battery)	100	100	100
Size: 95mm(W) x 205mm(L) x 51.20 mm(H), without holster	620	620	620
Weight: In grams (with holster)	-	-	-
Accessories: Test Leads, Alligator Clips, Temp. Adaptor, Bead probe, Protective Holster, USB cable, WinDMM 500 Software, Magnetic Hanging Kit, Alkaline batteries (installed) and manual	-	-	-

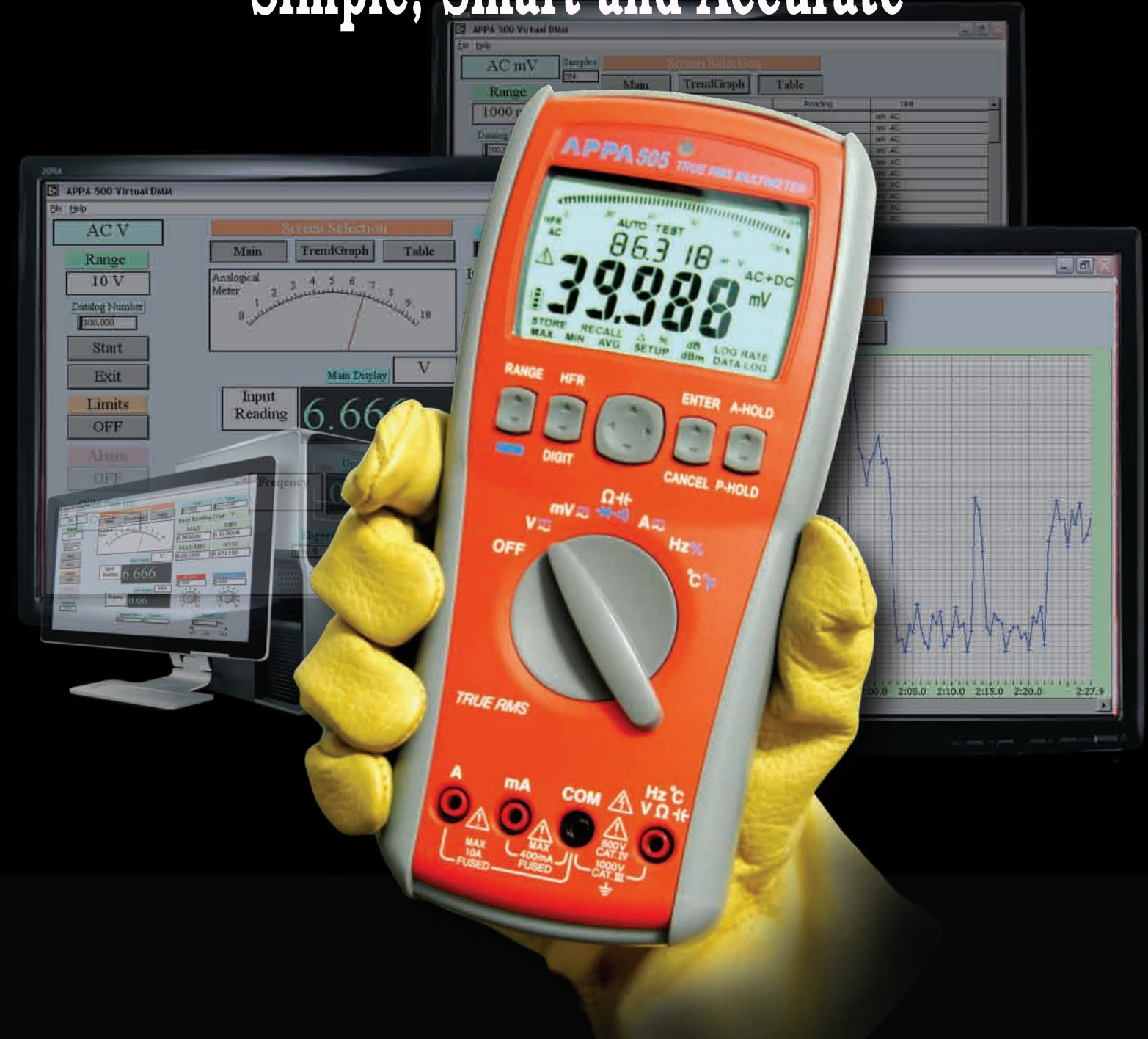
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 ISO 9001 CERTIFIED

APPA 500 Series Multimeter

Simple, Smart and Accurate



DAY & NIGHT

An innovative auto ON/OFF backlit feature give you fulltime display visibility and increased battery life.



BATTERY & FUSE EASY TO REPLACE

Unscrew only one screw to remove battery door for battery replacement and fuse replacement, designed for user's convenience without opening the bottom case.



ALL-WEATHER HOUSING

Designed for harsh environments with water tight gasket as the seams rotary switch, input terminal and battery cover to keep out of dust, dirt and splashing. They can also take shocks and drops, work anywhere form indoor to outdoor.



EXTRA PROTECTION

Ergonomically designed slim shape 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.



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 a temperature adaptor, bead sensor, magnetic hanging kit, USB cable and CD software.

APPA 503

40,000/4,000 count extra large digital display
 43 segments analog bar graph
 Auto Backlit, Dual display
 Auto AC, DC and AC+DC on Voltage & Current mode with Frequency indication
 Auto selection on Ohm, Diode or Continuity
 On-Screen-Menu Selection
 Navigator Key Drive
 High Frequency Rejection (HFR)
 0.03% DCV accuracy
 AC+DC True RMS indication
 0.5 ms Peak Hold
 Auto Hold
 Store/Recall memories
 dBm/dB measurement
 20000 records data logging capacity
 All Weather Housing
 Optical USB interface with Software included
 Included with Magnetic Hanging kit
 CAT. IV 600V/CAT. III 1000V standard



APPA 505

100,000/10,000 count extra large digital display
 43 segments analog bar graph
 Auto Backlit, Dual display
 Auto AC, DC and AC+DC on Voltage & Current mode with Frequency indication
 Auto selection on Ohm, Diode or Continuity
 On-Screen-Menu Selection
 Navigator Key Drive
 High Frequency Rejection (HFR)
 0.015% DCV accuracy
 AC+DC True RMS indication
 0.5 ms Peak Hold
 Auto Hold
 Store/Recall memories
 dBm/dB measurement
 20000 records data logging capacity
 All Weather Housing
 Optical USB interface with Software included
 Included with Magnetic Hanging kit
 CAT. IV 600V/CAT. III 1000V standard



NEW

APPA 507

50,000 count extra large digital display
 Auto Backlit, Dual display
 Auto AC, DC and AC+DC on Voltage & Current mode with Frequency indication
 Auto selection on Ohm, Diode or Continuity
 On-Screen-Menu Selection
 Navigator Key Drive
 High Frequency Rejection(HFR)
 Auto Hold
 0.05% DCV accuracy
 20 mA DC current source / loop calibrator / simulator
 Manual Step (100%, 25%, Coarse, Fine) plus Auto Step and Auto Ramp
 HART mode setting with Loop Power
 Optical USB interface with Software included
 Included with Magnetic Hanging kit
 CAT. IV 600V/CAT. III 1000V standard

