

APPA 200 SERIES VERSAMETER

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

Multiply accuracy digits by 10 in 40000 count mode.

	APPA 201	APPA 203	APPA 205	APPA 207
DCV:	Ranges: 200mV ~ 600V Resolution: 0.1mV Accuracy: ±(0.5%+2d)	Ranges: 400mV ~ 600V Resolution: 0.1mV Accuracy: ±(0.4%+2d), 4V ~ 600V	Ranges: 400mV ~ 600V Resolution: 0.1mV Accuracy: ±(0.1%+2d), 4V ~ 600V	Ranges: 40mV ~ 1000V Resolution: 1µV Accuracy: ±(0.06%+2d), 400mV~1000V
ACV:	Ranges: 2V ~ 600V Resolution: 1mV Accuracy: ±(1.5%+5d) Bandwidth: 40Hz ~ 500Hz	Ranges: 4V ~ 600V Resolution: 1mV Accuracy: ±(0.8%+5d), 50Hz ~ 60Hz Bandwidth: 40Hz ~ 1KHz	Ranges: 4V ~ 600V Resolution: 1mV Accuracy: ±(0.5%+5d), 50Hz ~ 60Hz Bandwidth: 40Hz ~ 1KHz	Ranges: 400mV ~ 750V Resolution: 0.01mV Accuracy: ±(0.7%+5d), 40Hz ~ 100Hz Bandwidth: 40Hz ~ 100KHz
(AC+DC)V:	Ranges: NA Resolution: NA Accuracy: NA	Ranges: NA Resolution: NA Accuracy: NA	Ranges: NA Resolution: NA Accuracy: NA	Ranges: Same as ACV Resolution: 0.01mV Accuracy: Same as (ACV)+1.00%+8d
Ω:	Ranges: 200 ~ 20M Resolution: 0.1 Accuracy: ±(0.8%+2d), 200 ~ 2M	Ranges: 400 ~ 40M Resolution: 0.1 Accuracy: ±(0.6%+4d), 400	Ranges: 400 ~ 40M Resolution: 0.1 Accuracy: ±(0.4%+4d), 400	Ranges: 400 ~ 40M Resolution: 0.01 Accuracy: ±(0.30%+2d), 400 ~ 400k
LVΩ:	Ranges: NA Resolution: NA Accuracy: NA	Ranges: NA Resolution: NA Accuracy: NA	Ranges: NA Resolution: NA Accuracy: NA	Ranges: 400 ~ 40M Resolution: 0.1 Accuracy: ±(0.30%+2d), 400 ~ 400k
Diode Test:	Max Test Current: 1.0mA Open Circuit Voltage: 3.3 VDC (max.) Input Protection: 600Vrms	Max Test Current: 0.6mA Open Circuit Voltage: 3.0 VDC (max.) Input Protection: 600Vrms	Max Test Current: 0.6mA Open Circuit Voltage: 3.0 VDC (max.) Input Protection: 600Vrms	Max Test Current: 1.1mA (Typical) Open Circuit Voltage: 3.3V DC (max.) Input Protection: 600Vrms
Continuity Test:	Continuity Threshold: Approx. 50 Continuity Indicator: 2KHz Tone Buzzer Input Protection: 600Vrms	Continuity Threshold: Approx. 50 Continuity Indicator: 2KHz Tone Buzzer Input Protection: 600Vrms	Continuity Threshold: Approx. 50 Continuity Indicator: 2KHz Tone Buzzer Input Protection: 600Vrms	Continuity Threshold: Approx. 50 Continuity Indicator: 2KHz Tone Buzzer Input Protection: 600Vrms
DCA:	Ranges: 200µA ~ 10A (20A for 60 seconds) Resolution: 0.1µA Accuracy: ±(0.8%+2d), 200µA ~ 200mA	Ranges: 4mA ~ 10A (20A for 30 seconds) Resolution: 1µA Accuracy: ±(0.7%+2d), 4mA ~ 400mA	Ranges: 4mA ~ 10A (20A for 30 seconds) Resolution: 1µA Accuracy: ±(0.4%+2d), 4mA ~ 400mA	Ranges: 40mA ~ 10A Resolution: 1µA Accuracy: ±(0.20%+4d), 40mA ~ 10A
ACA:	Ranges: 200µA ~ 10A (20A for 60 seconds) Resolution: 0.1µA Accuracy: ±(1.5%+5d), 200µA ~ 200mA Bandwidth: 40Hz ~ 500Hz	Ranges: 4mA ~ 10A (20A for 30 seconds) Resolution: 1µA Accuracy: ±(1.3%+5d), 4mA ~ 400mA Bandwidth: 40Hz ~ 1KHz	Ranges: 4mA ~ 10A (20A for 30 seconds) Resolution: 1µA Accuracy: ±(1.0%+5d), 4mA ~ 400mA Bandwidth: 40Hz ~ 1KHz	Ranges: 40mA ~ 10A Resolution: 1µA Accuracy: ±(0.80%+8d), 40mA ~ 10A Bandwidth: 40Hz ~ 400Hz
(AC+DC)A:	Ranges: NA Resolution: NA Accuracy: NA	Ranges: NA Resolution: NA Accuracy: NA	Ranges: NA Resolution: NA Accuracy: NA	Ranges: Same as ACA Resolution: 1µA Accuracy: Same as (ACA)+1.00%+8d
Hz:	Ranges: NA Resolution: NA Accuracy: NA	Ranges: 100Hz ~ 1MHz Resolution: 0.01Hz Accuracy: ±(0.1%+4d)	Ranges: 100Hz ~ 1MHz Resolution: 0.01Hz Accuracy: ±(0.1%+4d)	Ranges: 400Hz ~ 4MHz Resolution: 0.01Hz in 400Hz Range Accuracy: ±(0.01%+1d)
%DF:	Ranges: NA Resolution: NA Accuracy: NA	Ranges: NA Resolution: NA Accuracy: NA	Ranges: NA Resolution: NA Accuracy: NA	Ranges: 20% ~ 80% Resolution: 0.10% Accuracy: ±6d
Capacitance:	Ranges: NA Resolution: NA Accuracy: NA	Ranges: 4nF ~ 40µF Resolution: 1pF Accuracy: ±(1.0%+4d), 40nF ~ 20µF	Ranges: 4nF ~ 40µF Resolution: 1pF Accuracy: ±(1.0%+4d), 40nF ~ 20µF	Ranges: 4nF ~ 10mF Resolution: 1pF Accuracy: ±(0.90%+20d), 4nF ~ 4µF
°C/°F:	Ranges: NA Resolution: NA Accuracy: NA	Ranges: NA Resolution: NA Accuracy: NA	Ranges: NA Resolution: NA Accuracy: NA	Ranges: -200°C ~ 1200°C Resolution: 0.1°C Accuracy: 1°C+1d, -50°C ~ 1200°C 2°C+1d, -100°C ~ -50°C 3°C+1d, -200°C ~ -100°C

GENERAL SPECIFICATIONS:

	3 1/2 digit (2000 count)	3 3/4 digit (4000 count)	3 3/4 digit (4000 count)	4 3/4 digit (40000 count)
Display:	3 1/2 digit (2000 count)	3 3/4 digit (4000 count)	3 3/4 digit (4000 count)	4 3/4 digit (40000 count)
Analog bargraph display:	NA	42 segment	42 segment	80 segment
Measuring Rate: 2 times/sec	•	•	•	for 4 3/4 digit
4 times/sec	•	•	•	for 3 3/4 digit
Overrang Indication:	"1" Blinks	MSD (Most Significant Digit) Blinks	MSD (Most Significant Digit) Blinks	OL is displayed
Auto Power Off:	Approx. 30 minutes	Approx. 30 minutes	Approx. 30 minutes	User selectable(default: 30 minutes).
Operating Temperature: 0°C ~ 50°C	•	•	•	•
Storage Temperature: -20°C ~ 60°C	•	•	•	•
Temperature Coefficient: 0.1 x (Spec. Accuracy) per°C, <18°C or >28°C	•	•	•	•
Relative Hmidity: 0% ~ 80% R.H.	•	•	•	•
Safety:	Conformed to UL 3111 and IEC 1010-1	Conformed to UL 3111 and IEC 1010-1	Conformed to UL 3111 and IEC 1010-1	Designed to IEC 1010-1, UL 3111 and CSA spec.
Power requirement: AC 90 to 264V, 50/60Hz, **10VA min. (User supplied) DC AA or LR6 or AM3 battery 1.5V X 6	•	•	•	•
Battery Life:	1200 hours without backlight (alkaline)	1800 hours without backlight (alkaline)	1800 hours without backlight (alkaline)	100 hours without backlight (alkaline)
Size: without carrying case	218mm (W) x 195mm (L) x 73mm (H)	218mm (W) x 195mm (L) x 73mm (H)	218mm (W) x 195mm (L) x 73mm (H)	230mm (W) x 233mm (L) x 96mm (D)
Weight: without power cord	1.3Kg	1.3Kg	1.3Kg	1.7Kg
Include with the instrument:	Test leads, test clips, carrying strap, power cord, and user's manual	Test leads, test clips, carrying strap, power cord, and user's manual	Test leads, test clips, carrying strap, power cord, and user's manual	Test leads, test clips, carrying strap, Temp. adaptor, Bead Sensor, power cord, RS 232 cable, user's manual and APPA WinDMM 300 Software.

Specifications subject to change without notice.

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APPA 200 Series VersaMeter™

The Most Friendly Bench Instruments



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APPA TECHNOLOGY CORPORATION

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Designed for harsh environment too.



Extra back storage for full accessories.



Handle carrying design for mobility.



APPA 201

- 2000 count large scale digital display
- Autoranging and Manual selection
- Backlight
- AC/DC Dual Power Sources
- Data Hold
- Diode and Continuity Test
- 6KV transients protection on 660 VAC feeders
- Conformed to meet UL 3111 and IEC 10101-1 Specification



APPA 203

- 4000 count large scale digital display
- 42 segment analog bargraph display
- Autoranging and Manual selection
- Backlight
- AC/DC Dual Power Sources
- Data Hold
- Diode and Continuity Test
- Frequency counter, Capacitance
- Min/Max Hold
- Relative Mode
- 6KV transients protection on 660 VAC feeders
- Conformed to meet UL 3111 and IEC 10101-1 Specification



APPA 205

- 4000 count large scale digital display
- 42 segment analog bargraph display
- True-RMS
- Autoranging and Manual selection
- AC/DC Dual Power Sources
- Backlight
- Data Hold
- Diode and Continuity Test
- Frequency counter, Capacitance
- Min/Max Hold
- Relative Mode
- Store, Recall function
- 6KV transients protection on 660 VAC feeders
- Conformed to meet UL 3111 and IEC 10101-1 Specification



APPA 207

- 40000/4000 count large scale display
- 80 segment analog bar graph
- AC+DC True-RMS
- Fully Autoranging on 12 function
- On-Screen-Menu Operation
- VAC/Hz/Period Triple display
- EL Backlit
- Full Accessories
- Optical RS232 Connection
- AC/DC Dual Power Sources
- Auto Calibration
- Virtual Instrumentation
- Data Acquisition and Analysis
- CAT.III 600V/CAT.II1000V Safety Standards