

# APPA A10 SERIES CLAMP MULTIMETER

FEATURES:	APPA A10plus	APPA A11A11R	APPA A12A12R	APPA A15A15R	APPA A16A16R	APPA A16HA16HR	APPA A15plus
Digital display	4000 count	4000 count	4000 count	4000 count	4000 count	4000 count	6000 count
Analog bar graph	NA	NA	43 segments	43 segments	43 segments	43 segments	NA
True RMS measuring	NA	NA	NA	NA	NA	NA	NA
Auto AC/DC detection	NA	NA	NA	NA	NA	NA	AC/DC
Data hold	NA	NA	NA	NA	NA	NA	NA
Min Max function	NA	NA	NA	NA	NA	NA	NA
Peak hold	NA	NA	NA	NA	NA	NA	NA
Inrush Current measurement	NA	NA	NA	NA	NA	NA	NA
DCA zeroing	NA	NA	NA	NA	NA	NA	NA
Frequency counter	NA	NA	NA	NA	NA	NA	NA
Power and Power Factor measurement	NA	NA	NA	NA	NA	NA	NA
Total Harmonic Distortion	NA	NA	NA	NA	NA	NA	NA
Phase Rotation	NA	NA	NA	NA	NA	NA	NA
Temperature measurement	NA	NA	NA	NA	NA	NA	NA
Capacitance	NA	NA	NA	NA	NA	NA	NA
Audible continuity and Diode test	NA	NA	NA	NA	NA	NA	NA
Backlight	NA	NA	NA	NA	NA	NA	NA
Automatic power shut off	NA	NA	NA	NA	NA	NA	NA
Shock proof from 4 feet drops	NA	NA	NA	NA	NA	NA	NA
Standard full-sleeve safety test leads	NA	NA	NA	NA	NA	NA	NA
Deluxe carrying case	NA	NA	NA	NA	NA	NA	NA
SPECIFICATIONS (All at 23°C±5°C, ±80% RH)							
ACV:	4V-750V	400.0V, 600V	400.0V, 600V	400.0V, 750V	400.0V, 750V	400.0V, 750V	60V, 600V, 1000V
Resolution	1mV	100mV	100mV	100mV	100mV	100mV	10mV
Basic Accuracy: ±(1.0%+5d) at 50Hz-500Hz	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)
Input Impedance: 10MΩ-100GΩ	10MΩ-100GΩ	10MΩ-100GΩ	10MΩ-100GΩ	10MΩ-100GΩ	10MΩ-100GΩ	10MΩ-100GΩ	10MΩ-100GΩ
Overload Protection: 600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms
Conversion Type: Average sensing RMS indicating	Average	NA	NA	NA	NA	NA	NA
DCV:	4V-1000V	400.0V, 600V	400.0V, 600V	400.0V, 1000V	400.0V, 1000V	400.0V, 1000V	60V, 600V, 1000V
Resolution	1mV	100mV	100mV	100mV	100mV	100mV	10mV
Basic Accuracy: ±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)
Input Impedance: 10MΩ	10MΩ	10MΩ	10MΩ	10MΩ	10MΩ	10MΩ	10MΩ
Overload Protection: 600V DC or AC Peak	600V DC or AC Peak	600V DC or AC Peak	600V DC or AC Peak	600V DC or AC Peak	600V DC or AC Peak	600V DC or AC Peak	600V DC or AC Peak
ACA:	400.0A, 600A	400.0A, 600A	400.0A, 600A	400.0A, 1000A	400.0A, 1000A	400.0A, 1000A	600.0A
Resolution	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A
Basic Accuracy: ±(1.0%+5d) at 50Hz-60Hz	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)
Conversion Type: Average sensing RMS indicating	Average	NA	NA	NA	NA	NA	NA
DCA:	400.0A, 600A	400.0A, 600A	400.0A, 600A	400.0A, 1000A	400.0A, 1000A	400.0A, 1000A	600.0A
Resolution	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A
Basic Accuracy: ±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)
Watt:	400W-6000W	400W-6000W	400W-6000W	400W-6000W	400W-6000W	400W-6000W	400W-6000W
Resolution	1W	1W	1W	1W	1W	1W	1W
P.F.:	AC/DC accuracy	AC/DC accuracy	AC/DC accuracy	AC/DC accuracy	AC/DC accuracy	AC/DC accuracy	AC/DC accuracy
Resolution	±1.0%±1.00	±1.0%±1.00	±1.0%±1.00	±1.0%±1.00	±1.0%±1.00	±1.0%±1.00	±1.0%±1.00
T.H.D.:	0.1%±1.00	0.1%±1.00	0.1%±1.00	0.1%±1.00	0.1%±1.00	0.1%±1.00	0.1%±1.00
OHM:	400Ω-40MΩ	400.0Ω	400.0Ω	400.0Ω	400.0Ω	400.0Ω	400.0Ω
Resolution	0.1Ω	0.1Ω	0.1Ω	0.1Ω	0.1Ω	0.1Ω	0.1Ω
Basic Accuracy: ±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)
Overload Protection: 600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms
Continuity Beeper:	<30Ω, 290Hz tone buzzer	<30Ω, 290Hz tone buzzer	<30Ω, 290Hz tone buzzer	<30Ω, 290Hz tone buzzer	<30Ω, 290Hz tone buzzer	<30Ω, 290Hz tone buzzer	<30Ω, 290Hz tone buzzer
Diode Test:	Open circuit voltage: 3.3V max	Open circuit voltage: 3.3V max	Open circuit voltage: 3.3V max	Open circuit voltage: 3.3V max	Open circuit voltage: 3.3V max	Open circuit voltage: 3.3V max	Open circuit voltage: 3.3V max
Capacitance:	4nF-4mF	4nF-4mF	4nF-4mF	4nF-4mF	4nF-4mF	4nF-4mF	4nF-4mF
Resolution	1pF	1pF	1pF	1pF	1pF	1pF	1pF
Basic Accuracy: ±(2.0%+8d)	±(2.0%+8d)	±(2.0%+8d)	±(2.0%+8d)	±(2.0%+8d)	±(2.0%+8d)	±(2.0%+8d)	±(2.0%+8d)
Overload Protection: 600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms
Frequency Counter:	40Hz-100kHz	40Hz-100kHz	40Hz-100kHz	40Hz-100kHz	40Hz-100kHz	40Hz-100kHz	20Hz-40kHz
Resolution	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz
Accuracy: ±(0.1%+2d) at 5V rms max	±(0.1%+2d)	±(0.1%+2d)	±(0.1%+2d)	±(0.1%+2d)	±(0.1%+2d)	±(0.1%+2d)	±(0.1%+2d)
Sensitivity: 20 mV rms for AC/DC (unspecified)	20 mV rms for AC/DC (unspecified)	20 mV rms for AC/DC (unspecified)	20 mV rms for AC/DC (unspecified)	20 mV rms for AC/DC (unspecified)	20 mV rms for AC/DC (unspecified)	20 mV rms for AC/DC (unspecified)	20 mV rms for AC/DC (unspecified)
3V rms to 110V rms for ACV (V <sub>AC</sub> )	3V rms to 110V rms for ACV (V <sub>AC</sub> )	3V rms to 110V rms for ACV (V <sub>AC</sub> )	3V rms to 110V rms for ACV (V <sub>AC</sub> )	3V rms to 110V rms for ACV (V <sub>AC</sub> )	3V rms to 110V rms for ACV (V <sub>AC</sub> )	3V rms to 110V rms for ACV (V <sub>AC</sub> )	3V rms to 110V rms for ACV (V <sub>AC</sub> )
Overload Protection: AC/DC 800A	AC/DC 800A	AC/DC 800A	AC/DC 800A	AC/DC 800A	AC/DC 800A	AC/DC 800A	AC/DC 800A
Temperature:	40°C-400°C	40°C-400°C	40°C-400°C	40°C-400°C	40°C-400°C	40°C-400°C	40°C-400°C
Resolution	0.1°C/1°F	0.1°C/1°F	0.1°C/1°F	0.1°C/1°F	0.1°C/1°F	0.1°C/1°F	0.1°C/1°F
Accuracy: ±(1%+5°C)	±(1%+5°C)	±(1%+5°C)	±(1%+5°C)	±(1%+5°C)	±(1%+5°C)	±(1%+5°C)	±(1%+5°C)
Overload Protection: 600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms
GENERAL:							
Sampling Rate	30times/sec	30times/sec	30times/sec	30times/sec	30times/sec	30times/sec	30times/sec
Overload Indication	"OL" or "OL"	"OL" or "OL"	"OL" or "OL"	"OL" or "OL"	"OL" or "OL"	"OL" or "OL"	"OL" or "OL"
Low Battery Indication	"L"	"L"	"L"	"L"	"L"	"L"	"L"
Auto Power Off: Approx. 30 minutes	Auto Power Off: Approx. 30 minutes	Auto Power Off: Approx. 30 minutes	Auto Power Off: Approx. 30 minutes	Auto Power Off: Approx. 30 minutes	Auto Power Off: Approx. 30 minutes	Auto Power Off: Approx. 30 minutes	Auto Power Off: Approx. 30 minutes
Operating Temperature: 0°C-50°C, 80% RH	0°C-50°C, 80% RH	0°C-50°C, 80% RH	0°C-50°C, 80% RH	0°C-50°C, 80% RH	0°C-50°C, 80% RH	0°C-50°C, 80% RH	0°C-50°C, 80% RH
Storage Temperature: -20°C-60°C	-20°C-60°C	-20°C-60°C	-20°C-60°C	-20°C-60°C	-20°C-60°C	-20°C-60°C	-20°C-60°C
Temperature Coefficient: 0.15%/°C, Accy: ±0.1%	0.15%/°C, Accy: ±0.1%	0.15%/°C, Accy: ±0.1%	0.15%/°C, Accy: ±0.1%	0.15%/°C, Accy: ±0.1%	0.15%/°C, Accy: ±0.1%	0.15%/°C, Accy: ±0.1%	0.15%/°C, Accy: ±0.1%
Safety: IEC 61010 and designed to meet UL3111 specifications	IEC 61010 and designed to meet UL3111 specifications	IEC 61010 and designed to meet UL3111 specifications	IEC 61010 and designed to meet UL3111 specifications	IEC 61010 and designed to meet UL3111 specifications	IEC 61010 and designed to meet UL3111 specifications	IEC 61010 and designed to meet UL3111 specifications	IEC 61010 and designed to meet UL3111 specifications
Maximum Conductor Size	32mm dia. (750MCM)	32mm dia. (750MCM)	32mm dia. (750MCM)	32mm dia. (750MCM)	32mm dia. (750MCM)	32mm dia. (750MCM)	32mm dia. (750MCM)
Maximum Jaw Opening	35mm	35mm	35mm	35mm	35mm	35mm	35mm
Maximum Basket Size	35mm	35mm	35mm	35mm	35mm	35mm	35mm
Power Requirement: Single 9V battery (IEC6A, NEDA 1604 or IEC 6F22)	Single 9V battery (IEC6A, NEDA 1604 or IEC 6F22)	Single 9V battery (IEC6A, NEDA 1604 or IEC 6F22)	Single 9V battery (IEC6A, NEDA 1604 or IEC 6F22)	Single 9V battery (IEC6A, NEDA 1604 or IEC 6F22)	Single 9V battery (IEC6A, NEDA 1604 or IEC 6F22)	Single 9V battery (IEC6A, NEDA 1604 or IEC 6F22)	Single 9V battery (IEC6A, NEDA 1604 or IEC 6F22)
Battery Life: In hours (Alkaline battery)	400	300	300	300	300	300	300
Size: 84mm(W) x 212mm(L) x 40mm(H)	84mm(W) x 212mm(L) x 40mm(H)	84mm(W) x 212mm(L) x 40mm(H)	84mm(W) x 212mm(L) x 40mm(H)	84mm(W) x 212mm(L) x 40mm(H)	84mm(W) x 212mm(L) x 40mm(H)	84mm(W) x 212mm(L) x 40mm(H)	84mm(W) x 212mm(L) x 40mm(H)
Weight: In grams (with battery)	390	390	390	420	420	420	390
Included with instrument: Test Leads, 2mC battery (installed)	Test Leads, 2mC battery (installed)	Test Leads, 2mC battery (installed)	Test Leads, 2mC battery (installed)	Test Leads, 2mC battery (installed)	Test Leads, 2mC battery (installed)	Test Leads, 2mC battery (installed)	Test Leads, 2mC battery (installed)
manual and carrying case	manual and carrying case	manual and carrying case	manual and carrying case	manual and carrying case	manual and carrying case	manual and carrying case	manual and carrying case

Specifications subject to change without notice.

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## APPA A10 Series

### All New Industrial Clamp Multimeter



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 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

**APPA**<sup>®</sup>  
 Advanced Instrument Technology Made Easy





**NEW SL**  
Ergonomic  
shape with  
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buttons. Ju  
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and your i

## DAY & NIGHT

APPA A10 series clamp multimeters all have a LED backlit display that turns ON/OFF at the touch of a button, also automatically goes off to save battery life.

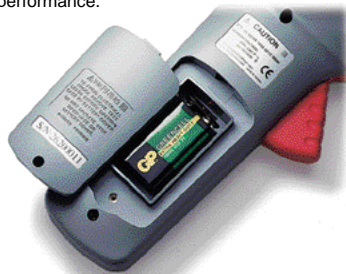


## EXTRA TEMPERATURE FEATURE

Special designed temperature test facility for daily industrial temperature measurement application. (A10pus & A18plus only)

## ADVANCED POWER FEATURES MADE EASY

APPA A18plus provides advanced Power features and Total Harmonic Distortion along with easy-to-use interface, which enables fully power measurement application with excellent performance.



## FULL SIZE

True 1000A coil up to 51mm dia (2000MCM) with excellent residual magnetism (A16H/A16HR)

## BATTERY EASY TO REPLACE

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



**APPA A11**  
**APPA A11R (True-RMS reading)**

- 4000 count digital display
- Backlit, Large scale display
- Analog Bar graph
- True RMS reading on AC mode (A11R)
- AC 600 Amps capability
- AC 600 Volts capability
- DC 600 Volts capability
- 400 Ohms Resistance capability
- Continuity Buzzer
- Display Hold
- Peak Hold (10ms)
- Min Max Function
- Frequency Counter
- Auto Power Off
- Up to 34mm dia. (750MCM) Conductor
- 4 feet Drop Proof
- Deluxe Carrying Case
- Hand Guard & Stream Line Designed
- Convenient Battery Door
- CAT.III 600V Safety Standard



**APPA A12**  
**APPA A12R (True-RMS reading)**

- 4000 count digital display
- Backlit, Large scale display
- Analog Bar graph
- True RMS reading on AC mode (A12R)
- AC 600 Amps capability
- AC 600 Volts capability
- AC 750 Volts capability
- DC 1000 Volts capability
- 400 Ohms Resistance capability
- Continuity Buzzer
- Display Hold
- Peak Hold (10ms)
- DCA Zeroing Key
- Min Max Function
- Frequency Counter
- Auto Power Off
- Up to 35mm dia. (750MCM) Conductor
- 4 feet Drop Proof
- Deluxe Carrying Case
- Hand Guard & Stream Line Designed
- Convenient Battery Door
- CAT.III 600V/CAT.II 1000V Safety Standard



**NEW**  
**APPA A10plus**

- 4000 Count digital display
- Backlit, Large scale display
- AC 600 Amps capability
- DC 4000μAmps capability
- AC 750 Volts capability
- DC 1000 Volts capability
- 40M Ohms Resistance capability
- Continuity Buzzer
- Diode Test
- Display Hold
- Capacitance Measurement Up to 4mF
- °C/°F Temperature Test
- Auto Power Off
- Up to 32mm dia. (750MCM) Conductor
- 4 feet Drop Proof
- Deluxe Carrying Case
- Hand Guard & Stream Line Designed
- Convenient Battery Door
- CAT. III 600V/CAT.II 1000V Safety Standard



**APPA A15**  
**APPA A15R (True-RMS reading)**

- 4000 Count digital display
- Backlit, Large scale display
- Analog Bar graph
- True RMS reading on AC mode (A15R)
- AC 1000 Amps capability
- AC 750 Volts capability
- DC 1000 Volts capability
- 400 Ohms Resistance capability
- Continuity Buzzer
- Display Hold
- Peak Hold (10ms)
- Min Max Function
- Frequency Counter
- Auto Power Off
- Up to 51mm dia. (2000MCM) Conductor
- 4 feet Drop Proof
- Deluxe Carrying Case
- Hand Guard & Stream Line Designed
- Convenient Battery Door
- CAT.IV600V/ CAT.III 1000V Safety Standard



**APPA A16**  
**APPA A16R (True-RMS Reading)**  
**APPA A16H**  
**APPA A16HR (True-RMS Reading)**

- 4000 Count digital display
- Backlit, Large scale display
- Analog Bargraph
- True RMS reading on AC mode (A16R, A16HR)
- Silicon-Steel alloy jaw mechanism (A16, A16R)
- Nickel-Steel alloy jaw mechanism (A16H, A16HR)
- Excellent Residual Magnetism Performance (A16H, A16HR)
- AC 1000 Amps capability
- DC 1000 Amps capability
- AC 750 Volts capability
- DC 1000 Volts capability
- 400 Ohms Resistance capability
- Continuity Buzzer
- Display Hold
- Peak Hold (10ms)
- DCA Zeroing Key
- Min Max Function
- Frequency Counter
- Auto Power Off
- Up to 51mm dia. (2000MCM) Conductor
- 4 feet Drop Proof
- Deluxe Carrying Case
- Hand Guard & Stream Line Designed
- Convenient Battery Door
- CAT.IV600V/ CAT.III 1000V Safety Standard



**NEW**  
**APPA A18plus (True-RMS reading)**

- 6000 Count digital display
- Backlit, Large scale display
- Power and Power Factor measurement
- Total Harmonic Distortion measurement
- Phase Rotation indication
- AC+ DC True RMS reading
- Auto AC/DC detection
- AC/DC 600A capability
- AC1000V, DC1000V capability
- Power 600K Watt capability
- 20K Ohms Resistance capability
- Continuity Buzzer
- Display Hold
- Peak Hold
- Inrush current measurement
- DCA Auto-Zeroing Key
- Min Max Function
- Frequency Counter
- Temperature measurement
- Auto Power Off
- Up to 35mm dia. (750MCM) Conductor
- 4 feet Drop Proof
- Deluxe Carrying Case
- Hand Guard & Stream Line Designed
- Convenient Battery Door
- CAT. III 600V/CAT.II 1000V Safety Standard

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