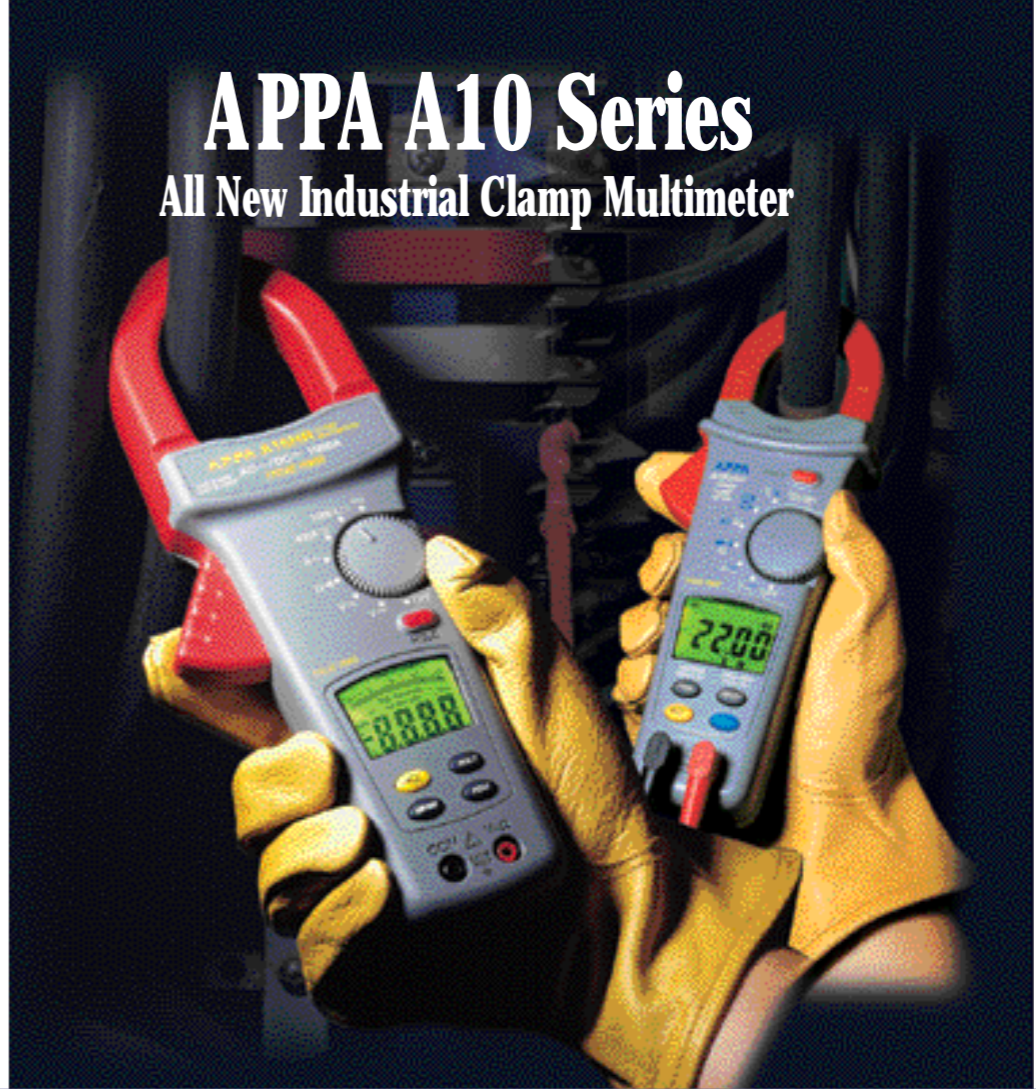


APPA A10 SERIES CLAMP MULTIMETERS

FEATURES:	APPA A10plus	APPA A11A/11B	APPA A12A/12R	APPA A13A/13R	APPA A14A/14R	APPA A15A/15R	APPA A16A/16R	APPA A17A/17R	APPA A18plus
Digital display	4000 count	4000 count	4000 count	4000 count	4000 count	4000 count	4000 count	4000 count	4000 count
Analog bar graph	NA	43 segments	43 segments	43 segments	43 segments	43 segments	43 segments	43 segments	NA
True RMS measuring	NA	NA	NA	NA	NA	NA	NA	NA	AC/DC
Auto AC/DC detection	NA	NA	NA	NA	NA	NA	NA	NA	NA
Data hold	NA	NA	NA	NA	NA	NA	NA	NA	NA
Min-Max function	NA	NA	NA	NA	NA	NA	NA	NA	NA
Peak hold	NA	NA	NA	NA	NA	NA	NA	NA	NA
Low Current measurement	NA	NA	NA	NA	NA	NA	NA	NA	NA
DCA saving	NA	NA	NA	NA	NA	NA	NA	NA	NA
Frequency counter	NA	NA	NA	NA	NA	NA	NA	NA	NA
Power and Power Factor measurement	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Harmonic Distortion	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phase Rotation	NA	NA	NA	NA	NA	NA	NA	NA	NA
Temperature measurement	NA	NA	NA	NA	NA	NA	NA	NA	NA
Capacitance	NA	NA	NA	NA	NA	NA	NA	NA	NA
Audible continuity and Diode test	NA	NA	NA	NA	NA	NA	NA	NA	NA
Backlight	NA	NA	NA	NA	NA	NA	NA	NA	NA
Automatic power shut off	NA	NA	NA	NA	NA	NA	NA	NA	NA
Shock proof from 4 feet drops	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard full-sleeve safety test leads	NA	NA	NA	NA	NA	NA	NA	NA	NA
Deluxe carrying case	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPECIFICATIONS (All at 23°C±5°C, ±8% @ 1)									
ACV:	Ranges: 4V-750V	400.0V-600V	400.0V-600V	400.0V-750V	400.0V-750V	400.0V-750V	400.0V-750V	400.0V-750V	60V-600V-1000V
Resolution	10mV	100mV	100mV	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	±1.0%±5d	±1.0%±5d
Input Impedance: 1M // <math>100pF</math>	10M // <math>100pF</math>	10M // <math>100pF</math>	10M // <math>100pF</math>	10M // <math>100pF</math>	10M // <math>100pF</math>	10M // <math>100pF</math>	10M // <math>100pF</math>	10M // <math>100pF</math>	10M // <math>100pF</math>
Overload Protection: 600V rms	750V rms	750V rms	750V rms	750V rms	750V rms	750V rms	750V rms	750V rms	750V rms
Conversion Type: Average sensing RMS indicating	Average	NA	NA	NA	NA	NA	NA	NA	NA
DCV:	Ranges: 400.0V-1000V	400.0V-600V	400.0V-600V	400.0V-1000V	400.0V-1000V	400.0V-1000V	400.0V-1000V	400.0V-1000V	60V-600V-1000V
Resolution	10mV	100mV	100mV	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	±1.0%±5d	±1.0%±5d
Input Impedance: 1M	10M	10M	10M	10M	10M	10M	10M	10M	10M
Overload Protection: 600V DC or AC Peak	1000V DC or AC Peak	1000V DC or AC Peak	1000V DC or AC Peak	1000V DC or AC Peak	1000V DC or AC Peak	1000V DC or AC Peak	1000V DC or AC Peak	1000V DC or AC Peak	1000V DC or AC Peak
ACA:	Ranges: 400.0A-600A	400.0A-600A	400.0A-600A	400.0A-1000A	400.0A-1000A	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	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	±1.0%±5d	±1.0%±5d
Conversion Type: Average sensing RMS indicating	Average	NA	NA	NA	NA	NA	NA	NA	NA
DCA:	Ranges: 400.0A-1000A	400.0A-600A	400.0A-600A	400.0A-1000A	400.0A-1000A	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	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	±1.0%±5d	±1.0%±5d
Watt:	Ranges: NA	NA	NA	NA	NA	NA	NA	NA	400V-600kW
Resolution	1W	1W	1W	1W	1W	1W	1W	1W	1W
Basic Accuracy	AD+ACV accuracy	AD+ACV accuracy	AD+ACV accuracy	AD+ACV accuracy	AD+ACV accuracy	AD+ACV accuracy	AD+ACV accuracy	AD+ACV accuracy	AD+ACV accuracy
P.F.:	Ranges: NA	NA	NA	NA	NA	NA	NA	NA	-1.00-1.00
Resolution	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Basic Accuracy	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
TA-30:	Ranges: NA	NA	NA	NA	NA	NA	NA	NA	0.1mV-300.0V
Resolution	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV
Basic Accuracy	±3.0%±10d	±3.0%±10d	±3.0%±10d	±3.0%±10d	±3.0%±10d	±3.0%±10d	±3.0%±10d	±3.0%±10d	±3.0%±10d
OHM:	Ranges: 400-40M	400.0-40M	400.0-40M	400.0-40M	400.0-40M	400.0-40M	400.0-40M	400.0-40M	20K-40M
Resolution	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Accuracy: ±1.0%±3d	±1.0%±3d	±1.0%±3d	±1.0%±3d	±1.0%±3d	±1.0%±3d	±1.0%±3d	±1.0%±3d	±1.0%±3d	±1.0%±3d
Overload Protection: 600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms
Continuity Buzzer: <math>< 50</math> 2KHz tone buzzer	<math>< 50</math>	<math>< 50</math>	<math>< 50</math>	<math>< 50</math>	<math>< 50</math>	<math>< 50</math>	<math>< 50</math>	<math>< 50</math>	<math>< 50</math>
Diode Test: Open circuit voltage: 3.3V max	3V max	3V max	3V max	3V max	3V max	3V max	3V max	3V max	3V max
Capacitance:	Ranges: 4nF-4mF	4nF-4mF	4nF-4mF	4nF-4mF	4nF-4mF	4nF-4mF	4nF-4mF	4nF-4mF	4nF-4mF
Resolution	1pF	1pF	1pF	1pF	1pF	1pF	1pF	1pF	1pF
Basic Accuracy	±2.0%±5d	±2.0%±5d	±2.0%±5d	±2.0%±5d	±2.0%±5d	±2.0%±5d	±2.0%±5d	±2.0%±5d	±2.0%±5d
Overload Protection: 600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms
Frequency Counter:	Ranges: 40Hz-100kHz	40Hz-100kHz	40Hz-100kHz	40Hz-100kHz	40Hz-100kHz	40Hz-100kHz	40Hz-100kHz	40Hz-100kHz	20Hz-40Hz
Resolution	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	1Hz	0.1Hz
Accuracy: ±0.1%±2d @ 5V rms min	±0.1%±2d	±0.1%±2d	±0.1%±2d	±0.1%±2d	±0.1%±2d	±0.1%±2d	±0.1%±2d	±0.1%±2d	±0.1%±2d
Stability: 2A rms for ACA (A=10-500Hz Unspecified)	2A rms for ACA (A=10-500Hz Unspecified)	2A rms for ACA (A=10-500Hz Unspecified)	2A rms for ACA (A=10-500Hz Unspecified)	2A rms for ACA (A=10-500Hz Unspecified)	2A rms for ACA (A=10-500Hz Unspecified)	2A rms for ACA (A=10-500Hz Unspecified)	2A rms for ACA (A=10-500Hz Unspecified)	2A rms for ACA (A=10-500Hz Unspecified)	2A rms for ACA (A=10-500Hz Unspecified)
3V rms to 110V rms for ACV (V-)	3V rms to 110V rms for ACV (V-)	3V rms to 110V rms for ACV (V-)	3V rms to 110V rms for ACV (V-)	3V rms to 110V rms for ACV (V-)	3V rms to 110V rms for ACV (V-)	3V rms to 110V rms for ACV (V-)	3V rms to 110V rms for ACV (V-)	3V rms to 110V rms for ACV (V-)	3V rms to 110V rms for ACV (V-)
Overload Protection: 1000V 1000A	1000V 1000A	1000V 1000A	1000V 1000A	1000V 1000A	1000V 1000A	1000V 1000A	1000V 1000A	1000V 1000A	1000V 1000A
Temperature:	Ranges: -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	-40°C-400°C	50°C-1000°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	0.1°C/1°F	0.1°C/1°F
Accuracy: ±1.5%±3d	±1.5%±3d	±1.5%±3d	±1.5%±3d	±1.5%±3d	±1.5%±3d	±1.5%±3d	±1.5%±3d	±1.5%±3d	±1.5%±3d
Overload Protection: 600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms
GENERAL:									
Display Rate	20ms/div	20ms/div	20ms/div	20ms/div	20ms/div	20ms/div	20ms/div	20ms/div	20ms/div
Overload Indication	"OL" or "OL"	"OL" or "OL"	"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"	"L"	"L"
Auto Power Off: Approx. 30 minutes	NA	NA	NA	NA	NA	NA	NA	NA	NA
Operating Temperature: 0°C-50°C, 80% RH	0°C-50°C	0°C-50°C	0°C-50°C	0°C-50°C	0°C-50°C	0°C-50°C	0°C-50°C	0°C-50°C	0°C-50°C
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	-20°C-60°C	-20°C-60°C
Temperature Coefficient: 0.15%/°C, <math>< 18^{\circ}\text{C}</math> on 28°C	0.15%/°C, <math>< 18^{\circ}\text{C}</math> on 28°C	0.15%/°C, <math>< 18^{\circ}\text{C}</math> on 28°C	0.15%/°C, <math>< 18^{\circ}\text{C}</math> on 28°C	0.15%/°C, <math>< 18^{\circ}\text{C}</math> on 28°C	0.15%/°C, <math>< 18^{\circ}\text{C}</math> on 28°C	0.15%/°C, <math>< 18^{\circ}\text{C}</math> on 28°C	0.15%/°C, <math>< 18^{\circ}\text{C}</math> on 28°C	0.15%/°C, <math>< 18^{\circ}\text{C}</math> on 28°C	0.15%/°C, <math>< 18^{\circ}\text{C}</math> on 28°C
Safety: IEC 61010 and designed to meet UL3111 specifications	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V
Maximum Conductor Size	30mm dia. (750ACM)	34mm dia. (750ACM)	35mm dia. (750ACM)	51mm dia. (200ACM)	51mm dia. (200ACM)	51mm dia. (200ACM)	51mm dia. (200ACM)	51mm dia. (200ACM)	35mm dia. (750ACM)
Maximum Jaw Opening	30mm	37mm	40mm	50mm	50mm	50mm	50mm	50mm	35mm
Maximum Busbar Size	4x15mm	4x15mm	4x15mm	24x50mm	24x50mm	24x50mm	24x50mm	24x50mm	4x15mm
Power Requirement: Single 9V battery (IEC6A 1604 or IEC 6F 22)	NA	NA	NA	NA	NA	NA	NA	NA	NA
IEC 60321-204 or IEC 60321-205	NA	NA	NA	NA	NA	NA	NA	NA	NA
Battery Life: 10 hours (Alkaline battery)	400	300	300	300	300	300	300	300	50
Size: 80mm(W) x 210mm(H) x 60mm(D)	80mm(W) x 210mm(H) x 60mm(D)	80mm(W) x 210mm(H) x 60mm(D)	80mm(W) x 210mm(H) x 60mm(D)	80mm(W) x 210mm(H) x 60mm(D)	80mm(W) x 210mm(H) x 60mm(D)	80mm(W) x 210mm(H) x 60mm(D)	80mm(W) x 210mm(H) x 60mm(D)	80mm(W) x 210mm(H) x 60mm(D)	80mm(W) x 210mm(H) x 60mm(D)
Weight: 330 grams (with holster)	330	360	380	420	420	420	420	420	380
Included with instrument: Test leads, 2x9C battery (optional), manual and carrying case	NA	NA	NA	NA	NA	NA	NA	NA	NA
	*Also including TA-300 and 50BK								*Also including TA-300 and 50BK

Specifications subject to change without notice.

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# APPA A10 Series

## All New Industrial Clamp Multimeter

Distributed by:



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 E-mail: info@appatech.com- http://www.appatech.com  
 ISO 9001 CERTIFIED





**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.

**NEW SL**

Ergonomic shape with operated buttons. Just palm of your hand and your eye.



**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 Beeper  
 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  
 DC 600 Amps capability  
 AC 750 Volts capability  
 DC 1000 Volts capability  
 400 Ohms Resistance capability  
 Continuity Beeper  
 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 Beeper  
 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

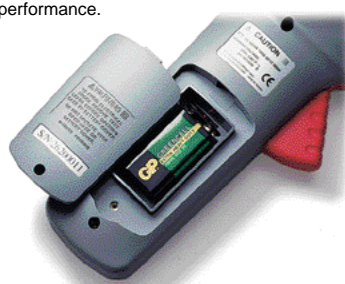
**EXTRA TEMPERATURE FEATURE**

Special designed temperature test facility for daily industrial temperature measurement application. (A10plus & 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)



**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 Beeper  
 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 Bar graph  
 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 Beeper  
 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 Beeper  
 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

**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.