

APPA 130 SERIES CLAMP MULTIMETERS

FEATURES:	APPA 133	APPA 135	APPA 136	APPA 137	APPA 138
Digital display	10000 count	10000 count	10000 count	10000 count	10000 count
Analog bar graph	60 segments	60 segments	60 segments	60 segments	60 segments
True RMS measuring	AC+DC	AC+DC	AC+DC	AC+DC	AC+DC
Auto AC/DC detection	-	-	-	-	-
Smart Data hold	-	-	-	-	-
Min/Max function	-	-	-	-	-
Peak hold	-	-	-	-	-
Inrush Current measurement	-	-	-	-	-
DCA zeroing	NA	NA	-	NA	-
Low Pass Filter	-	-	-	-	-
Frequency counter	-	-	-	-	-
Power and Power Factor measurement	-	-	-	-	-
Total Harmonic Distortion	-	-	-	-	-
Harmonics	-	-	-	-	-
Phase Rotation	-	-	-	-	-
Temperature measurement	NA	-	NA	NA	-
Capacitance	-	-	-	-	-
Audible continuity and Diode test	-	-	-	-	-
Backlight	-	-	-	-	-
Torch Lighting	-	-	-	-	-
VoltSense® (None Contact Voltage)	-	-	-	-	-
Automatic power shut off	-	-	-	-	-
Shock proof from 4 feet drops	-	-	-	-	-
Standard full-sleeve safety test leads	-	-	-	-	-
Deluxe carrying case	-	-	-	-	-
<b>SPECIFICATIONS: (All at 23°C ± 5°C, ≤ 80% R.H.)</b>					
<b>ACA:</b>	100.00A, 600.0A	100.00A, 600.0A	100.00A, 600.0A	100.00A, 1000.0A	100.00A, 1000.0A
Resolution	0.01A	0.01A	0.01A	0.01A	0.01A
Basic Accuracy	±(1.5%+5d) at 50Hz-500Hz				
Conversion Type	AC+DC True-RMS	AC+DC True-RMS	AC+DC True-RMS	AC+DC True-RMS	AC+DC True-RMS
<b>ACA:</b>	100.00A, 600.0A	100.00A, 600.0A	100.00A, 600.0A	100.00A, 1000.0A	100.00A, 1000.0A
Resolution	0.01A	0.01A	0.01A	0.01A	0.01A
Basic Accuracy	±(1.5%+5d)				
<b>DCIA:</b>	1000.0µA	1000.0µA	1000.0µA	1000.0µA	1000.0µA
Resolution	0.1µA	0.1µA	0.1µA	0.1µA	0.1µA
Basic Accuracy	±(1.7%+2d)				
<b>AC+DC A:</b>	100.00A, 600.0A	100.00A, 600.0A	100.00A, 600.0A	100.00A, 1000.0A	100.00A, 1000.0A
Resolution	0.01A	0.01A	0.01A	0.01A	0.01A
Basic Accuracy	Same as ACA ±(1.5%+5d)				
<b>ACV:</b>	100.00V-1000V	100.00V-1000V	100.00V-1000V	100.00V-1000V	100.00V-1000V
Resolution	0.01V	0.01V	0.01V	0.01V	0.01V
Basic Accuracy	±(1.0%+5d) at 50Hz-500Hz				
Input Impedance	3.5MΩ				
Overload Protection	1000V rms				
Conversion Type	AC+DC True-RMS	AC+DC True-RMS	AC+DC True-RMS	AC+DC True-RMS	AC+DC True-RMS
<b>DCV:</b>	100.00V-1000V	100.00V-1000V	100.00V-1000V	100.00V-1000V	100.00V-1000V
Resolution	0.01V	0.01V	0.01V	0.01V	0.01V
Basic Accuracy	±(0.7%+2d)				
Input Impedance	3.5MΩ				
Overload Protection	1000V rms				
<b>AC+DC V:</b>	100.00V-1000V	100.00V-1000V	100.00V-1000V	100.00V-1000V	100.00V-1000V
Resolution	0.01V	0.01V	0.01V	0.01V	0.01V
Basic Accuracy	Same as ACV ±(1.0%+5d)				
Input Impedance	3.5MΩ				
Overload Protection	1000V rms				
<b>Watt:</b>	10KW-600KW	10KW-600KW	10KW-600KW	10KW-1MW	10KW-1MW
Resolution	1W	1W	1W	1W	1W
Basic Accuracy	±(2.5%+5d)				
<b>P.F.:</b>	-1.00-1.00	-1.00-1.00	-1.00-1.00	-1.00-1.00	-1.00-1.00
Resolution	0.01	0.01	0.01	0.01	0.01
Basic Accuracy	±3°				
<b>T.H.D.:</b>	0.1%-100.0%	0.1%-100.0%	0.1%-100.0%	0.1%-100.0%	0.1%-100.0%
Resolution	0.1%	0.1%	0.1%	0.1%	0.1%
Basic Accuracy	±(3.0%+10d)				
<b>Harmonics:</b>	0.1%-100.0%	0.1%-100.0%	0.1%-100.0%	0.1%-100.0%	0.1%-100.0%
Resolution	0.1%	0.1%	0.1%	0.1%	0.1%
Basic Accuracy	±(5.0%+10d) for order 1-12, ±(10.0%+10d) for order 13-25				
<b>OHM:</b>	1.000KΩ, 10.00KΩ, 100.00KΩ	1.000KΩ, 10.00KΩ, 100.00KΩ	1.000KΩ, 10.00KΩ, 100.00KΩ	1.000KΩ, 10.00KΩ, 100.00KΩ	1.000KΩ, 10.00KΩ, 100.00KΩ
Resolution	0.01Ω	0.01Ω	0.01Ω	0.01Ω	0.01Ω
Basic Accuracy	±(1.0%+3d)				
Overload Protection	1000V rms				
Continuity Buzzer	<30Ω, 2KHz tone buzzer				
Diode Test	Open circuit voltage: ±1.8V max				
Capacitance	400.0µF, 4.000mF	400.0µF, 4.000mF	400.0µF, 4.000mF	400.0µF, 4.000mF	400.0µF, 4.000mF
Resolution	0.1µF	0.1µF	0.1µF	0.1µF	0.1µF
Basic Accuracy	±(1.0%+8d)				
Overload Protection	1000V rms				
<b>Frequency Counter:</b>	20.0Hz-10KHz	20.0Hz-10KHz	20.0Hz-10KHz	20.0Hz-10KHz	20.0Hz-10KHz
Resolution	0.1Hz	0.1Hz	0.1Hz	0.1Hz	0.1Hz
Basic Accuracy	±(0.5%+3d)				
<b>Temperature:</b>	NA	-50 °C - 1000 °C	NA	NA	-50 °C - 1000 °C
Resolution	-	0.1 °C	-	-	0.1 °C
Basic Accuracy	-	±(1%+1 °C)	-	-	±(1%+1 °C)
Overload Protection	1000V rms				
<b>GENERAL:</b>					
Sampling Rate	3times/sec	3times/sec	3times/sec	3times/sec	3times/sec
Overload Indication	"OL" or "xOL"	"OL" or "xOL"	"OL" or "xOL"	"OL" or "xOL"	"OL" or "xOL"
Low Battery Indication	-	-	-	-	-
Auto Power Off: Approx. 15 minutes	-	-	-	-	-
Operating Temperature: 0 °C - 50 °C, ≤ 80% RH	-	-	-	-	-
Storage Temperature: -20 °C - 60 °C	-	-	-	-	-
Temperature Coefficient: 0.2(Spec, Acc) / °C, ≤ 18 °C or ≥ 28 °C	-	-	-	-	-
Safety: IEC 61010 and designed to meet UL61010 specifications	-	-	-	-	-
Maximum Conductor Size	CAT. IV 600V CAT. III 1000V	CAT. IV 600V CAT. III 1000V	CAT. IV 600V CAT. III 1000V	CAT. IV 600V CAT. III 1000V	CAT. IV 600V CAT. III 1000V
Maximum Jaw Opening	37mm dia., (750MCM)	37mm dia., (750MCM)	37mm dia., (750MCM)	42mm dia., (1000MCM)	42mm dia., (1000MCM)
Maximum Busbar Size	45mm	45mm	45mm	45mm	45mm
Power Requirement: Single 9V battery (NEDA 1604A or IEC 6LF22)	-	-	-	-	-
Battery Life: In hours (Alkaline battery)	100	100	100	100	100
Size: 87.5mm(W) x 242 mm(L) x 50.5 mm(H)	-	-	-	-	-
Weight: In grams (with battery)	435	435	435	470	470
Included with instrument: Test Leads, ZnC battery (installed) manual and carrying case	-	(Also Including Temperature Probe)	-	-	(Also Including Temperature Probe)

Specification subject to change without notice.

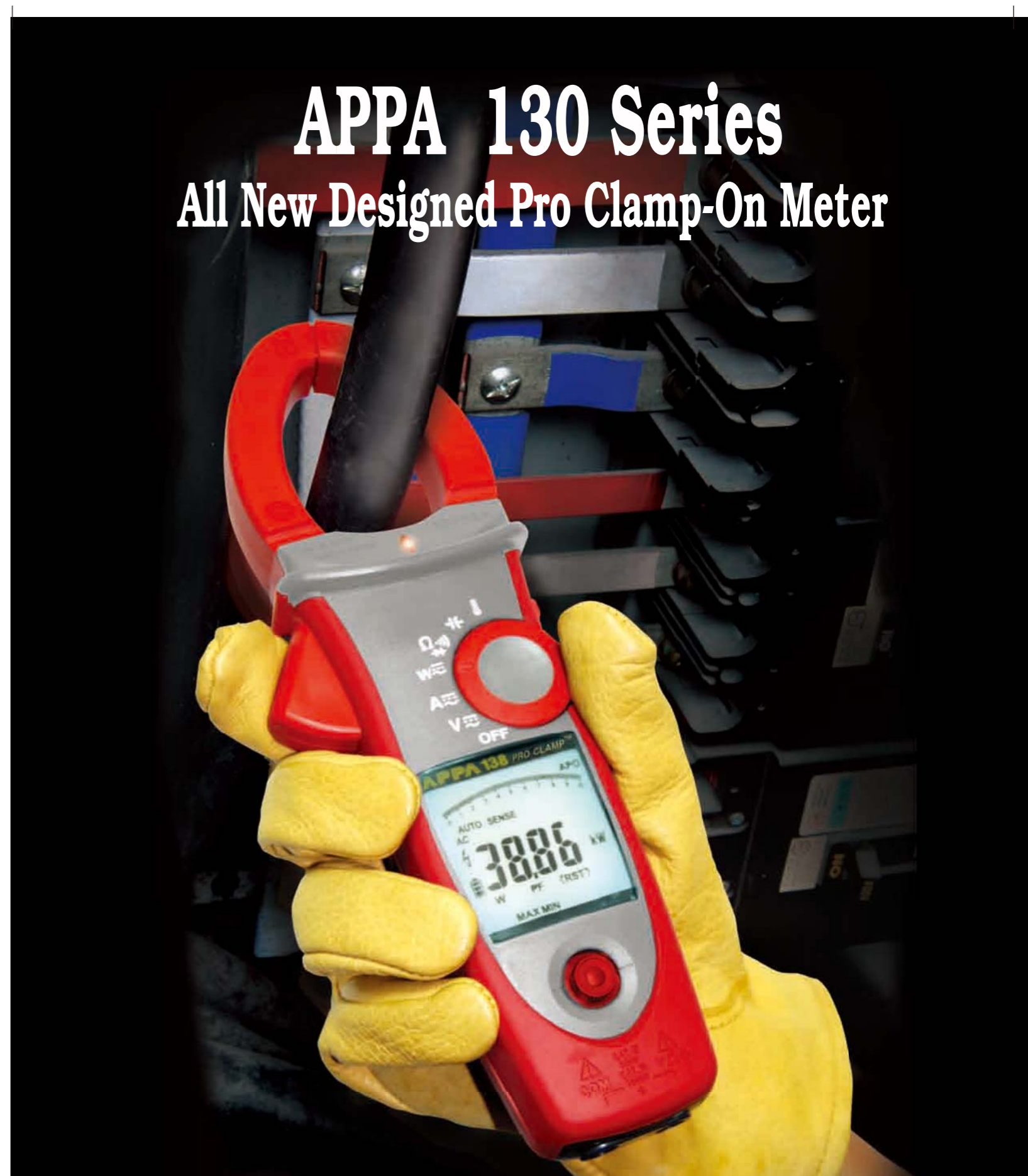
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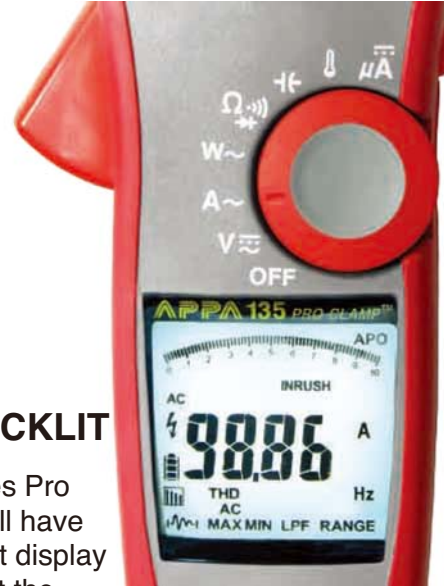


# APPA 130 Series

## All New Designed Pro Clamp-On Meter

## AUTOMATIC SELECTION

Automatically detect AC, DC and AC+DC of Ampere and Voltage function with AC+DC True RMS, and automatically selection of resistance, continuity and diode.



## ACTIVE BACKLIT

APPA 130 series Pro clamp meters all have an active backlit display that turns ON at the touch of a button or rotate the knob, also automatically goes off to save battery life.



## INNOVATIVE LIGHTENING AND LIVE VOLTAGE SENSING

Torch lightening during cable clamping and automatically non contact voltage detection for better identification of working environment.

## INNOVATIVE NAVIGATOR

Innovative designed navigator key optimized the function selection and feature operation with a finger of thumb.



## EXTRA TEMPERATURE FEATURE

Special designed temperature test facility for daily industrial temperature measurement application. (135 & 138)



## ADVANCED POWER FEATURES MADE EASY

Every APPA 130 series Pro clamp meter provides advanced Power features, Phase rotation, Total Harmonics Distortion and even Harmonics 1 to 25<sup>th</sup> with easy-to-use interface, which enables fully professional power measurement application with excellent performance.



## OVER-MOLDING SLIM DESIGN

Ergonomically designed comfort over-molding slim shape with extra large LCD, one hand operated knob and navigator. Just fit the palm of your hand and your needs.



### APPA 133

10000 Count digital display  
Active Backlit, Large scale display  
Analog Bar graph  
True RMS reading on AC and AC+DC mode  
Torch lightening when clamping  
AC 600 Amps capability  
Auto AC/DC 1000 Volts capability and selection  
Auto Ohms/Continuity/Diode selection  
Power and Power factor Measurement  
Total Harmonics Distortion and Harmonics 1 to 25  
Phase Rotation Indication  
100K Ohms Resistance capability  
VoltSense™ (None Contact Voltage)  
Frequency Counter  
Capacitance capability  
Smart Data Hold  
Peak Hold  
Inrush Current  
Min/Max Hold  
Low Pass Filter  
Auto Power Off  
Up to 37mm dia. (750MCM) Conductor  
4 feet Drop Proof  
Deluxe Carrying Case  
Convenient Battery Door  
CAT. IV 600V /CAT. III 1000V Safety Standard



### APPA 135

10000 Count digital display  
Active Backlit, Large scale display  
Analog Bar graph  
True RMS reading on AC and AC+DC mode  
Torch lightening when clamping  
AC 600 Amps capability  
Auto AC/DC 1000 Volts capability and selection  
Auto Ohms/Continuity/Diode selection  
Power and Power factor Measurement  
Total Harmonics Distortion and Harmonics 1 to 25  
Phase Rotation Indication  
100K Ohms Resistance capability  
VoltSense™ (None Contact Voltage)  
Frequency Counter  
Capacitance capability  
°C/°F Temperature Function  
DC I/A for flame rod testing  
Smart Data Hold  
Peak Hold  
Inrush Current  
Min/Max Hold  
Low Pass Filter  
Auto Power Off  
Up to 37mm dia. (750MCM) Conductor  
4 feet Drop Proof  
Temp. probe included  
Deluxe Carrying Case  
Convenient Battery Door  
CAT. IV 600V /CAT. III 1000V Safety Standard



### APPA 136

10000 Count digital display  
Active Backlit, Large scale display  
Analog Bar graph  
True RMS reading on AC and AC+DC mode  
Torch lightening when clamping  
Auto AC/DC 600 Amps capability and selection  
Auto AC/DC 1000 Volts capability and selection  
Auto Ohms/Continuity/Diode selection  
Power and Power factor Measurement  
Total Harmonics Distortion and Harmonics 1 to 25  
Phase Rotation Indication  
100K Ohms Resistance capability  
VoltSense™ (None Contact Voltage)  
Frequency Counter  
Capacitance capability  
Smart Data Hold  
Peak Hold  
Inrush Current  
DCA Auto-Zeroing Key  
Min/Max Hold  
Low Pass Filter  
Auto Power Off  
Up to 37mm dia. (750MCM) Conductor  
Bus bar size 45mm x 10mm  
4 feet Drop Proof  
Deluxe Carrying Case  
Convenient Battery Door  
CAT. IV 600V /CAT. III 1000V Safety Standard

### APPA 137

10000 Count digital display  
Active Backlit, Large scale display  
Analog Bar graph  
True RMS reading on AC and AC+DC mode  
Torch lightening when clamping  
AC 1000 Amps capability  
Auto AC/DC 1000 Volts capability and selection  
Auto Ohms/Continuity/Diode selection  
Power and Power factor Measurement  
Total Harmonics Distortion and Harmonics 1 to 25  
Phase Rotation Indication  
100K Ohms Resistance capability  
VoltSense™ (None Contact Voltage)  
Frequency Counter  
Capacitance capability  
Smart Data Hold  
Peak Hold  
Inrush Current  
Min/Max Hold  
Low Pass Filter  
Auto Power Off  
Up to 42mm dia. (1000MCM) Conductor  
4 feet Drop Proof  
Deluxe Carrying Case  
Convenient Battery Door  
CAT. IV 600V /CAT. III 1000V Safety Standard



### APPA 138

10000 Count digital display  
Active Backlit, Large scale display  
Analog Bar graph  
True RMS reading on AC and AC+DC mode  
Torch lightening when clamping  
Auto AC/DC 1000 Amps capability and selection  
Auto AC/DC 1000 Volts capability and selection  
Auto Ohms/Continuity/Diode selection  
Power and Power factor Measurement  
Total Harmonics Distortion and Harmonics 1 to 25  
Phase Rotation Indication  
100K Ohms Resistance capability  
VoltSense™ (None Contact Voltage)  
Frequency Counter  
Capacitance capability  
°C/°F Temperature Function  
Smart Data Hold  
Peak Hold  
Inrush Current  
DCA Auto-Zeroing Key  
Min/Max Hold  
Low Pass Filter  
Auto Power Off  
Up to 42mm dia. (1000MCM) Conductor  
Bus bar size 62mm x 12mm  
4 feet Drop Proof  
Temp. probe included  
Deluxe Carrying Case  
Convenient Battery Door  
CAT. IV 600V /CAT. III 1000V Safety Standard

