

APPA 130F SERIES CLAMP MULTIMETERS

FEATURES:	APPA 133F	APPA 136F	APPA 137F	APPA 138F
Digital display	10000 count	10000 count	10000 count	10000 count
Analog bar graph	60 segments	60 segments	60 segments	60 segments
True RMS measuring	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	-
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	-	-	-	-

SPECIFICATIONS: (All at 23°C±5°C, ≤80% R.H.)					
ACA:	Ranges	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
DCA:	Basic Accuracy	±(1.5%+5d) at 50Hz-500Hz	±(1.5%+5d)	±(1.5%+5d)	±(1.5%+5d)
	Conversion Type	AC+DC True-RMS	AC+DC True-RMS	AC+DC True-RMS	AC+DC True-RMS
AC Current via SFLEX-T Ranges	Ranges	0.1A-3000A	0.1A-3000A	0.1A-3000A	0.1A-3000A
	Resolution	0.01A	0.01A	0.01A	0.01A
AC+DC A:	Basic Accuracy	±(1.5%+5d)	±(1.5%+5d)	±(1.5%+5d)	±(1.5%+5d)
	Conversion Type	AC+DC True-RMS	AC+DC True-RMS	AC+DC True-RMS	AC+DC True-RMS
ACV:	Ranges	100.00V-1000V	100.00V-1000V	100.00V-1000V	100.00V-1000V
	Resolution	0.01V	0.01V	0.01V	0.01V
DCV:	Ranges	100.00V-1000V	100.00V-1000V	100.00V-1000V	100.00V-1000V
	Resolution	0.01V	0.01V	0.01V	0.01V
AC+DC V:	Ranges	100.00V-1000V	100.00V-1000V	100.00V-1000V	100.00V-1000V
	Resolution	0.01V	0.01V	0.01V	0.01V
Watt:	Ranges	10KW-600KW	10KW-600KW	10KW-1MW	10KW-1MW
	Resolution	1W	1W	1W	1W
PF:	Ranges	-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
T.H.D.:	Ranges	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%
Harmonics:	Ranges	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%
OHM:	Ranges	1.000KΩ, 10.00KΩ, 100.0KΩ	1.000KΩ, 10.00KΩ, 100.0KΩ	1.000KΩ, 10.00KΩ, 100.0KΩ	1.000KΩ, 10.00KΩ, 100.0KΩ
	Resolution	0.01Ω	0.01Ω	0.01Ω	0.01Ω
Continuity Beeper:	Ranges	0.1Ω-100Ω	0.1Ω-100Ω	0.1Ω-100Ω	0.1Ω-100Ω
	Resolution	0.1Ω	0.1Ω	0.1Ω	0.1Ω
Diode Test:	Ranges	0.1V-10V	0.1V-10V	0.1V-10V	0.1V-10V
	Resolution	0.1V	0.1V	0.1V	0.1V
Capacitance:	Ranges	400.0nF-4.000mF	400.0nF-4.000mF	400.0nF-4.000mF	400.0nF-4.000mF
	Resolution	0.1nF	0.1nF	0.1nF	0.1nF
Frequency Counter:	Ranges	20.0Hz-10KHz	20.0Hz-10KHz	20.0Hz-10KHz	20.0Hz-10KHz
	Resolution	0.1Hz	0.1Hz	0.1Hz	0.1Hz
Temperature:	Ranges	-50°C-1000°C	-50°C-1000°C	-50°C-1000°C	-50°C-1000°C
	Resolution	0.1°C	0.1°C	0.1°C	0.1°C

GENERAL:				
Sampling Rate	3times/sec	3times/sec	3times/sec	3times/sec
Overload Indication	"OL" or "-OL"	"OL" or "-OL"	"OL" or "-OL"	"OL" or "-OL"
Low Battery Indication	-	-	-	-
Auto Power Off: Approx. 15minutes	-	-	-	-
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 37mm dia. (1.50MCM)	CAT IV 600V 37mm dia. (1.50MCM)	CAT IV 600V 42mm dia. (1.65MCM)	CAT IV 600V 42mm dia. (1.65MCM)
Maximum Jaw Opening	45mm	45mm	45mm	45mm
Maximum Busbar Size	65x10mm	65x10mm	65x10mm	65x10mm
Power Requirement: Single 9V battery (NECA 1604A or IEC 6LF22)	-	-	-	-
Battery Life: In hours (nominal battery)	100	100	100	100
Size: 87 (mm)W x 242 (mm)L x 60.5 (mm)H	-	-	-	-
Weight: In grams (with battery)	435	435	470	470
Included with instrument: Test Leads, ZnC battery (included) manual and carrying case	-	-	-	(Also including Temperature Probe)

Specification subject to change without notice.

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# APPA 130F Series

## Clamp-On Meter with Flexible Current Probe



### 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 130F 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.



### FLEXIBLE CURRENT TEST

APPA 130F series intergated with SFLEX-T flexible current probe expanding the current range to 3000 ACA, providing increased display flexibility, making electrical measurement easier and safer.



### ADVANCED POWER FEATURES MADE EASY

Every APPA 130F series Pro clamp meter provides advanced Power features, Phase rotation, Total Harmonic 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.



### APPA 133F

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 Harmonic Distortion and Harmonics 1 to 25  
Phase Rotation Indication  
AC Current via Flexible Current Probe  
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 136F

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 Volts capability  
and selection  
Auto Ohms/Continuity/Diode selection  
Power and Power factor Measurement  
Total Harmonic Distortion and Harmonics 1 to 25  
Phase Rotation Indication  
AC Current via Flexible Current Probe  
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 137F

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 Harmonic Distortion and Harmonics 1 to 25  
Phase Rotation Indication  
AC Current via Flexible Current Probe  
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 138F

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 Ohms/Continuity/Diode selection  
Power and Power factor Measurement  
Total Harmonic Distortion and Harmonics 1 to 25  
Phase Rotation Indication  
AC Current via Flexible Current Probe  
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

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