

APPA 30 SERIES CLAMP MULTIMETERS

SPECIFICATIONS: (All at 23°C±5°C, ±80% R.H.)	APPA 31	APPA 32	APPA 30T	APPA 39T	APPA 30R	APPA 33II/33RII	APPA 36RIII	APPA 39MR
ACV:								
Ranges					400V-600V	600V	600V	400V-600V
Resolution					0.1mV	0.1V	1mV	0.1V
Accuracy					±1.5%±3d at 50Hz-500Hz	±1.5%±5d at 40Hz-500Hz	±1.5%±5d at 50Hz-500Hz	±1.5%±5d at 50Hz-500Hz
Input Impedance					10MΩ // <100pF	10MΩ // <100pF	10MΩ // <100pF	10MΩ // <100pF
Overload Protection					600V rms	600V rms	600V rms	850V rms
Conversion Type					True-RMS	RMS/True-RMS	True-RMS	True-RMS
DCV:					400mV-600V	600V	600V	400V-1000V
Ranges					0.1mV	1mV	0.1V	0.1V
Resolution					±0.5%±2d	±0.7%±2d	±0.7%±2d	±0.7%±2d
Accuracy					10MΩ	10MΩ	1MΩ	1MΩ
Input Impedance					10MΩ	10MΩ	1MΩ	1MΩ
Overload Protection					600V rms	600V rms	600V rms	850V rms
ACA:					400A	100A, 600A	40A, 300A	400A, 600A, 1000A
Ranges	10mV/A	100A, 600A	40A, 300A	100A, 1000A	10mV/A, 1mV/A	10mV/A, 1mV/A	0.01A	0.1A
Resolution					0.01A	0.01A	0.01A	0.1A
Accuracy	50Hz-60Hz ±1.9%±0.5d, 0A-350A	45Hz-65Hz ±2%±2A, 0A-100A	40Hz-400Hz ±1%±0.1A, 0A-40A	40Hz-400Hz ±1.9%±2A, 0A-100A	40Hz-400Hz ±1.9%±2A, 0A-100A	40Hz-1KHz ±2%±7d, 0A-200A	50Hz-60Hz ±1.9%±5d, 0A-200A	40Hz-400Hz ±1.5%±5d, 0A-200A
Conversion Type					True-RMS	RMS/True-RMS	True-RMS	True-RMS
Frequency:					50kHz	10kHz	10kHz	10kHz
Accuracy					±1%±2d	±1%±3d	±1%±3d	±1%±3d
DCA:					60A, 600A	40A, 600A, 1000A	40A, 600A, 1000A	40A, 600A, 1000A
Ranges	10mV/A, 1mV/A	10mV/A, 1mV/A	10mV/A, 1mV/A	10mV/A, 1mV/A	0.01A	0.01A	0.1A	0.1A
Resolution					0.01A	0.01A	0.1A	0.1A
Accuracy	±2%±2A, 0A-100A	±1%±0.1A, 0A-40A	±1%±0.1A, 0A-40A	±2.9%±2A, 0A-100A	±1.5%±2d, 0A-200A	±1.5%±2d, 0A-200A	±1.5%±2d, 0A-200A	±1.5%±2d, 0A-200A
Overload Protection					600V rms	600V rms	600V rms	600V rms
Continuity Test:					< 60Ω approx.	< 60Ω approx.	< 20Ω approx.	< 100Ω approx.
Indicator					2KHz tone buzzer	2KHz tone buzzer	2.7KHz tone buzzer	2KHz tone buzzer
Diode Test:					Open circuit voltage: ±1.8V max			
Load Impedance:					AC and DC			
Position Error					±1%rdg	±1%rdg	±1%rdg	±1%rdg
Output Voltage					AC 1mV per 1A			
Type of Sensing:					Current transformer sensing			
					Hall effect sensing			

GENERAL:	APPA 31	APPA 32	APPA 30T	APPA 39T	APPA 30R	APPA 33II/33RII	APPA 36RIII	APPA 39MR
Display: LCD digital readout					4000 count	2000 count	6000 count	4000 count
Sampling Rate					2times/sec	4times/sec	3times/sec	2times/sec
Overrange Indication					"OL"	"OL"	"OL"	"OL"
Low Battery Indication		Red LED	Red LED	Red LED	⊠	⊠	⊠	⊠
Auto Power Off: Approx. 30 minutes								10 minutes
Operating Temperature: 0°C-50°C, ≤80% RH								
Storage Temperature: -20°C - 60°C								
Temperature Coefficient: 0.2x(Spec. Acc)/°C, <18°C or >28°C								
Shock Proof: 4 feet drops								
Safety: IEC 61010 and designed to meet UL3111	CAT II 600V	CAT II 600V	CAT III 600V	CAT II 600V	CAT II 600V	CAT III 600V	CAT III 600V	CAT III 600V CAT II 1000V
Maximum Conductor Size	Ø29mm	Ø34mm	Ø22mm	Ø51mm	Ø22mm	Ø34mm	Ø37mm	Ø51mm
Maximum Jaw Opening	30mm	38mm	25mm	53mm	25mm	37mm	43mm	53mm
Maximum Busbar Size		24x60mm		24x60mm				24x60mm
Power Requirement: Single 9V battery (NEDA 1604/IEC 6F22)					AAA Size 1.5Vx2			
Battery Life: In hours (Alkaline battery)		45	66	66	100	200	150	40
Size: WxLxD in mm	72x148x36, w/o cable	60x203x47, w/o cable	65.5x185x40, w/o cable	90x232x32, w/o cable	66x192x27	76x200x41	88x208x41	100x265x42
Weight: In grams	250	380	320	420	205	360	420	420
Included with meter: Safety test leads								
Battery (Zn/C)		User supplied	Installed	Installed	Installed	Installed	Installed	Installed
Coiled cable output plugs	Installed	Installed	Installed	Installed				
User manual								
Carrying case								

Specification subject to change without notice.

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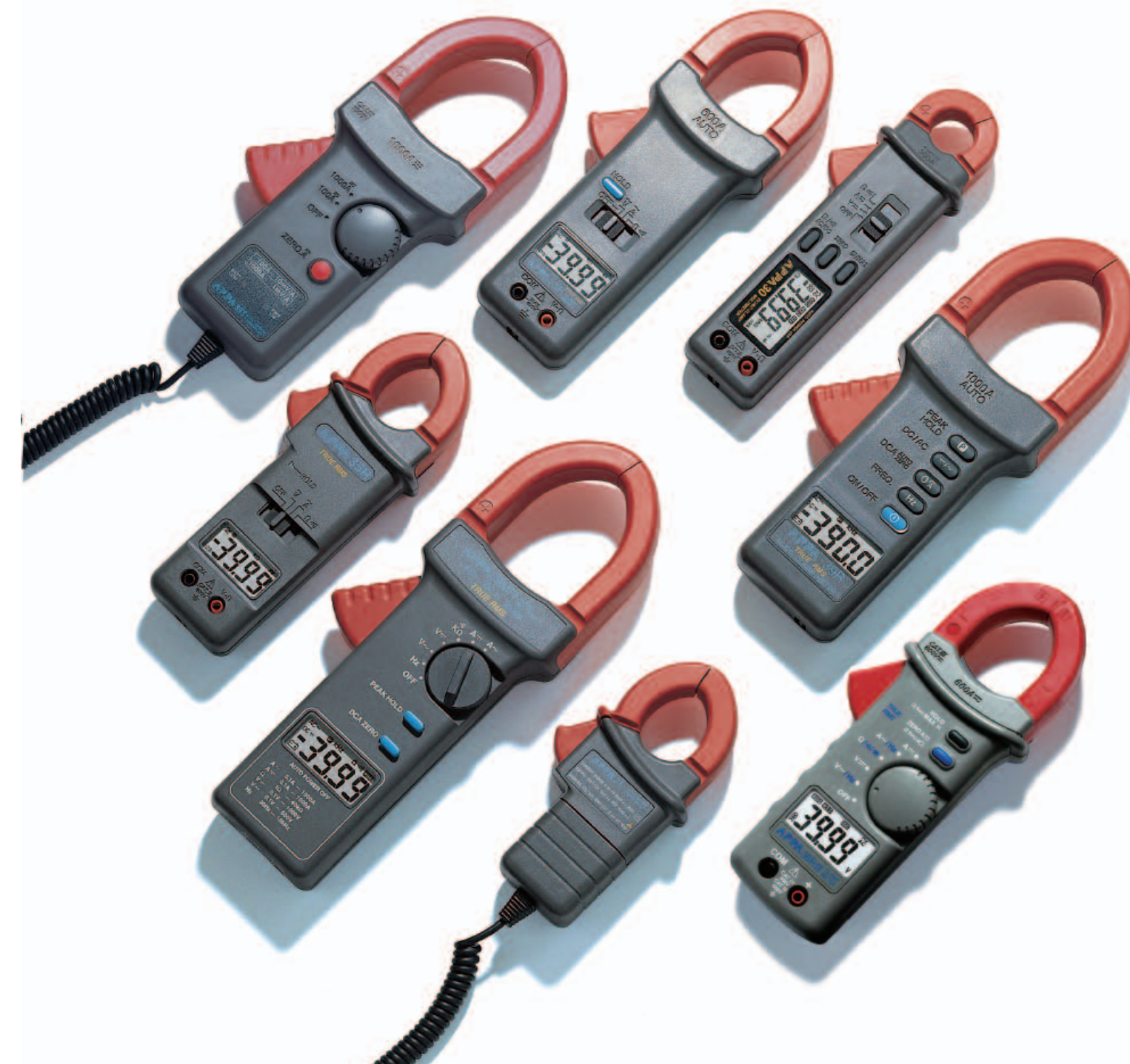
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ISO 9001 CERTIFIED



Advanced Instrument Technology Made Easy

APPA 30 Series

The State-of-the-Art Clamp-On Measuring Instruments



AC CURRENT TRANSDUCER



APPA 31
AC 400A capability
1.9% basic accuracy
Non-intrusive transducing
Up to 29mm diameter conductor
5 feet drop proof
Coiled cable output plugs
Ergonomically designed jaw and trigger
Hand guard designed
Carrying case included
CAT II 600V Safety Standard

AC/DC CURRENT TRANSDUCER



APPA 32
AC/DC 600A capability
Dual Hall sensor
2.0% basic DCA/ACA accuracy
Non-intrusive transducing
Up to 34mm dia conductor
Up to 20x40mm busbar
DCA zero adjust knob
Power on indicating
Battery low indicator
5 feet drop proof
Coiled cable output plugs
Hand Guard protection
Carrying case included
CAT II 600V Safety Standard



APPA 30T
AC/DC 300A capability
Auto zero key for DCA
Red LED-Low battery indication
GreenLED-Power on indication
Coiled cable output leads
Insulated input jacks
Standard 9V battery
Up to 22mm dia. conductor
4 feet drop proof
Deluxe carrying case
Hand guard designed
CAT III 600V Safety Standard



APPA 39T
AC/DC 1000A capability
Auto zero key for DCA
Red LED-Low battery indication
GreenLED-Power on indication
Coiled cable output leads
Insulated input jacks
Standard 9V battery
Up to 51mm dia. (2") conductor
Up to 24x60mm busbar
4 feet drop proof
Deluxe carrying case
Hand guard designed
CAT III 600V Safety Standard

AC/DC CURRENT/VOLTAGE/RESISTANCE CLAMP METER



APPA 30R (True-RMS reading)
4000 count digital display
Autorangeing
Dual Hall sensor
Nickel-Steel alloy jaw mechanism
AC/DC 300 Amps capability
AC/DC 600 Volts capability
0.5% basic DCV accuracy
1.5% basic ACV accuracy
0.9% basic OHM accuracy
Continuity Beeper
10mA resolution
Auto-Zeroing key for DCA
Data hold function
MAX hold function
Auto power off selectable
600V protection in every range
Up to 22mm dia. (3/8" MCM) conductor
4 feet drop proof
Insulated input jacks
Hand guard designed
Deluxe carrying case
CAT II 600V Safety Standard



NEW APPA 36RIII (True-RMS reading)
6000 Count digital display
Large white LED backlight display
Autorangeing
AC/DC 600A Capability
AC/DC 600V Capability
10mA resolution
True RMS reading on ACA/ACV
Frequency Counter on ACA/ACV
40M Ohms Resistance capability
Diode Test
Smart Data Hold
Zeroing Key
Max Hold
Auto Power Off (can be disabled)
Up to 36mm dia. Conductor
4 feet Drop Proof
Hand Guard & Stream Line Designed
Convenient Battery Door
Deluxe carrying case
CAT III 600V Safety Standard



APPA 39MR (True-RMS reading)
4000 count digital display
AC/DC 1000A in specification, and 2000A overload protection
AC 600V, DC 1000V capability
Autorangeing
Dual Hall sensor
Nickel-Steel alloy jaw mechanism
0.7% basic DCV accuracy
1.2% basic ACV accuracy
1.0% basic OHM accuracy
0.5% basic Hz accuracy
CONTINUITY beeper
True RMS reading in ACV/ACA
Frequency measurement through input jack or clamp-on
PEAK HOLD function
Auto-Zero key for DCA
Auto Power Off
Up to 51mm dia. (2") conductor
Up to 24 x 60mm busbar
4 feet drop proof
Insulated input jacks
Hand guard designed
Deluxe carrying case
CAT II 1000V Safety Standard



APPA 33RII (True-RMS reading)
2000 count large scale LCD display
AC 600 Amps capability
AC 600 Volts capability
2000 Ohms Resistance range
True RMS ACV/ACA (APPA33RII)
Continuity Beeper
Display Hold
Auto power off
600 Volts circuit protection
Insulated input jacks
Up to 34mm dia. (7/8" MCM) conductor
4 feet drop proof
Protective carrying case
Hand guard designed
CAT III 600V/CAT II 1000V Safety Standard