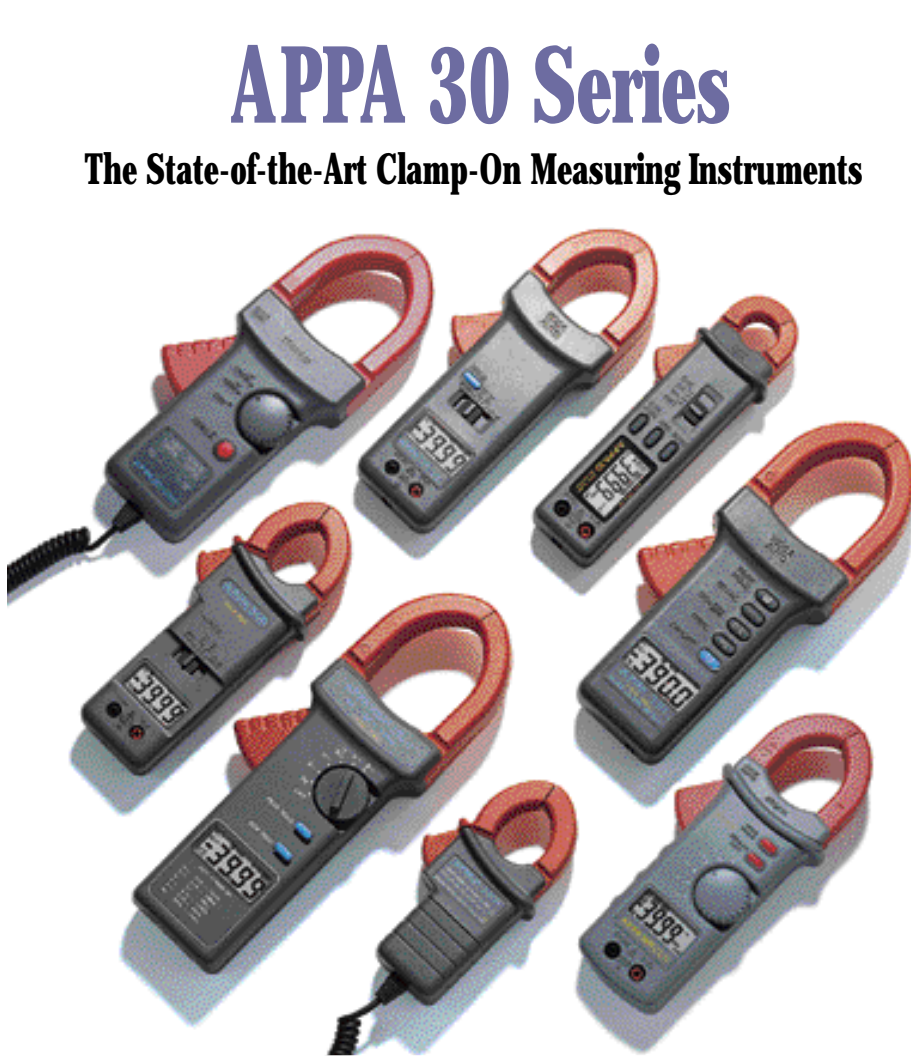


APPA 30 SERIES CLAMP INSTRUMENTS

SPECIFICATIONS: (All at 23°C±5°C, 80% R.H.)		APPA 31	APPA 32	APPA 30T	APPA 30T	APPA33/33R	APPA 30N3SR	APPA 33U/33R II	APPA 39AC/39AR	APPA 36U/36R II	APPA 30 /30R	APPA 39/39R	APPA 30MR	
AC VOLTAGE:	Ranges:					400V/600V	400V/600V	600V	400V/600V	400V/600V	0 1mV	0 1mV	0 1V	
	Resolution:					0.1V	0.1V	0.1V	0.1V	0.1mV	0.1mV	0.1V	0.1V	
	Accuracy:					±(1.2%+5d),40Hz-500Hz	±(1.2%+5d),40Hz-500Hz	±(1.2%+3d),40Hz-500Hz	±(1.2%+5d),40Hz-500Hz	±(1.5%+5d),40Hz-500Hz	±(1.5%+5d),40Hz-500Hz		±(1.2%+5d),50Hz-500Hz	
	Input Impedance: 10M Ω/100pF					*	*	*	*	*	*	*	*	
DC VOLTAGE:	Ranges:					33 • 33R True RMS	30N • 35R True RMS	33I • 33R II True RMS	39AC • 39AR True RMS	36I • 36R II True RMS	30 • 30R True RMS	39 • 39R True RMS	30MR True RMS	
	Resolution:					400V/1000V	400V/1000V	400V/1000V	400V/1000V	400mV-600V	400mV-600V	400V/1000V	400V/1000V	
	Accuracy:					±(0.7%+5d)	±(0.7%+5d)	±(0.7%+5d)	±(0.7%+5d)	±(0.7%+5d)	±(0.7%+5d)	±(0.7%+5d)	±(0.7%+5d)	
	Input Resistance: 10M Ω					11M Ω	11M Ω	11M Ω	11M Ω	11M Ω	11M Ω	11M Ω	11M Ω	
AC CURRENT:	Ranges:	400A	100A,600A	40A,300A	100A,1000A	400A,600A	400A	200A,600A	400A,1000A(3AR)1200A(3AR)	400A,600A	40A,300A	400A,1000A	400A,1000A	
	Resolution:	1mV/A	10mV/A,1mV/A	10mV/A,1mV/A	10mV/A,1mV/A	0.1A	0.1A	0.1A	0.1A	100mA	10mA	0.1A	0.1A	
	Accuracy:	50-60Hz ±(1.9%+0.5A),0A-350A ±(3.2%+1A),350A-400A	45Hz-400Hz ±(2%+2A),0A-100A ±(3%+2A),400A-600A	40Hz-400Hz ±(1.0%+0.1A),0A-40A ±(1.9%+2A),200A-300A	40Hz-400Hz ±(1.9%+2A),0A-100A ±(2.9%+5A),400A-1000A	50Hz-60Hz ±(1.9%+5d),0A-400A ±(2.9%+5d),400A-600A	50Hz-60Hz ±(1.9%+5d) ±(2.9%+5d),400A-600A	50Hz-60Hz ±(1.9%+5d),0A-40A ±(1.9%+5d),40A-400A	50Hz-60Hz ±(1.9%+5d),0A-40A ±(1.9%+5d),40A-400A	50Hz-60Hz ±(1.9%+5d),0A-40A ±(1.9%+5d),40A-400A	50Hz-60Hz ±(1.9%+5d),0A-40A ±(1.9%+5d),40A-400A	50Hz-60Hz ±(1.9%+5d),0A-4A ±(1.9%+5d),4A-200A	40Hz-400Hz ±(1.9%+5d),0A-40A ±(2.9%+5d),400A-1000A	40Hz-400Hz ±(1.9%+5d),0A-60A ±(2.9%+5d),600A-1000A
	Conversion Type: Average sensing RMS indicating					33 • 33R True RMS	35N • 35R True RMS	33I • 33R II True RMS	39AC • 39AR True RMS	36I • 36R II True RMS	30 • 30R True RMS	39 • 39R True RMS	30MR True RMS	
FREQUENCY COUNT:	Ranges:									20Hz-10KHz	20Hz-10KHz			
	Accuracy:									±(0.5%+3d)	±(0.5%+3d)			
	Resolution:		100A,600A	40A,300A	100A,1000A					400A,600A	40A,300A	400A,1000A	400A,1000A	
	Accuracy:		±(2%+2A),100A-400A ±(3%+2A),400A-600A	±(1.0%+0.1A),0A-40A ±(1.9%+2A),200A-300A	±(2.9%+2A),0A-100A ±(2.9%+5A),400A-600A					±(1.9%+5d),0A-40A ±(1.9%+5d),40A-400A	±(1.9%+5d),0A-40A ±(1.9%+5d),4A-200A	±(1.9%+5d),0A-40A ±(1.9%+5d),40A-400A	±(1.9%+5d),0A-60A ±(2.9%+5d),600A-1000A	
RESISTANCE:	Ranges:					4K , 40K	4K , 40K	2000	4K , 40K	400 -40M	400 -40M		4K , 40K	
	Resolution:					1	1	1	1	0.1	0.1		1	
	Accuracy:					±(2% rdg + 9d)	±(1.9% rdg + 8d)	±(1.5% rdg + 2d)	±(2% + 9d)	±(0.9%+3d),400 -40K ±(1.9%+5d),4M -40M	±(0.9%+3d),400 -40K ±(1.9%+5d),4M -40M	±(0.9%+3d),400 -40K ±(1.9%+5d),4M -40M	±(1.0%+3d),0A-600A ±(1.9%+5d),600A-1000A	
	Overload Protection:					600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	600V rms	
CONTINUITY TEST:	Threshold: < 200 Ω approximate					*	<100 Ω approximate	<50 Ω approximate	<100 Ω approximate	<50 Ω approximate	<50 Ω approximate	<100 Ω approximate	<100 Ω approximate	
	Indicator: 2KHz tone buzzer					*	*	*	*	*	*	*	*	
Load Impedance:	AC and DC		100K min		100K min									
	Position Error:		±1%rdg	±1%rdg	±1%rdg				±1%rdg	±1%rdg	±1%rdg	±1%rdg	±1%rdg	
Output Voltage:	AC/DC: 10mV/A in 100A, 1mV/A in 1000A	AC 1mV per 1A	AC/DC: 10mV/A in 100A, 1mV/A in 1000A	AC/DC: 10mV/A in 100A, 1mV/A in 1000A	AC/DC: 10mV/A in 100A, 1mV/A in 1000A									
	Type of Sensing :		Current transformer sensing		Hall effect sensing for AC and DC									

GENERAL:													
Display: LCD digital readout						4000 count	4000 count	2000 count	4000 count	4000 count	4000 count	4000 count	4000 count
Measuring Rate: Times per second						4 T/sec	4 T/sec	2.5T/sec	4 T/sec	2 T/sec	2 T/sec	2 T/sec	2 T/sec
Overrange Indication:						"OL"	"OL"	"OL"	"OL"	"OL"	"OL"	"OL"	"OL"
Low Battery Indicator:		Red LED	Red LED	Red LED									
Auto Power Off: Approx 30 minutes						*	*	*	*	*	*	*	10 minutes
Operating Temperature: 0°C-50°C, 80% R.H.	*	*	*	*	*	*	*	*	0°C-45°C, 80%RH	*	*	*	*
Storage Temperature: -20°C-60°C	*	*	*	*	*	*	*	*	*	*	*	*	*
Temperature Coefficient: 0.2%/dec. Accy)°C, <16°C or >38°C	*	*	*	*	*	*	*	*	*	*	*	*	*
Shock Proof: 4 test drops	*	*	*	*	*	*	*	*	*	*	*	*	*
Safety: IEC 61010 and designed to meet UL 3111 specifications	CAT. II 600V	CAT. II 600V	CAT. III 600V	CAT. III 1000V	CAT. II 600V	CAT. II 600V	CAT. III 600V, CAT. II 1000V	CAT. III 600V, CAT. II 1000V	CAT. II 600V	CAT. II 600V	CAT. III 1000V	CAT. III 600V, CAT. II 1000V	
Maximum Conductor Size:	ø29mm	ø34mm	ø22mm	ø51mm	ø40mm	ø29mm	ø34mm	ø51mm	ø36mm	ø22mm	ø51mm	ø51mm	
Maximum Jaw Opening:	30mm	38mm	25mm	53mm	42mm	30mm	37mm	53mm	45mm	25mm	53mm	53mm	
Maximum Busbar Size:		20x40mm		24x60mm			24x60mm	40x15mm			24x60mm	24x60mm	
Power Requirement: Single 9V battery (NEDA 1604, IEC 6F22)		*	*	*	*	*	*	*	*	Alkaline AAA SIZE 1.5Vx2	*	*	
Battery Life in hours (Alkaline battery)		46	66	66	200	200	200	200	150	50	40	40	
Size: WxLxD in mm	72x148x36, w/o cable	60x203x27, w/o cable	65.5x185x40, w/o cable	90x232x32, w/o cable	88x215x36	77x194x36	76x200x41	105x268x42	82x208x41	66x192x27	106x240x40	100x265x42	
Weight: In grams	250	380	320	420	320	250	360	420	360	205	420	420	
Included with Instrument: Safety test leads						*	*	*	*	*	*	*	
Battery(Zn/C)		User supplied	Installed	Installed	Installed	Installed	Installed	Installed	Installed	Installed	Installed	(Installed)Alkaline	
Cooled cable output plugs	Installed	Installed	Installed	Installed	Installed	Installed	Installed	Installed	Installed	Installed	Installed	Installed	
User's manual	*	*	*	*	*	*	*	*	*	*	*	*	
Carrying Case	*	*	*	*	*	*	*	*	*	*	*	*	

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APPA 30 Series

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



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 ISO 9001 CERTIFIED



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
IEC 1010-1 CAT II 600V



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
IEC 1010-1 CAT II 600V



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
IEC 1010-1 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
IEC 1010-1 CAT. III 1000V Safety Standard

AC CURRENT/VOLTAGE/RESISTANCE CLAMP METER



APPA 35N

APPA 35R (True-RMS reading)

4000 count digital display
AC 400A, 600V Capability
Autoranging
1.2% basic ACV accuracy
1.9% basic ACA accuracy
1.9% basic OHM accuracy
Continuity buzzer
Up to 29mm (600MCM) conductor
600V circuit protection
Display hold function
Auto power off
4 feet drop proof
Insulated input jacks
Hand guard protection
Deluxe carrying case
IEC 1010-1 CAT II 600V



APPA 331I

APPA 33R1I (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 (APPA33R1I)
Continuity Buzzer
Display Hold
Auto power off
600 Volts circuit protection
Insulated input jacks
Up to 34mm dia. (750MCM) conductor
4 feet drop proof
Protective carrying case
Hand guard designed
CAT. III 600V/CAT. II 1000V Safety Standard



APPA 39AC

APPA 39AR (True-RMS reading)

4000 count digital display
AC 1200A in specification
AC 1000A in specification (39AR)
1500A overload protection
AC 600A, DC 1000V capability
Autoranging
1.2% basic ACV accuracy
1.2% basic DCV accuracy
2% basic OHM accuracy
CONTINUITY buzzer
True RMS reading in ACV/ACA
Up to 51mm dia. (2") conductor
600V circuit protection
Display HOLD function
Auto Power Off
Insulated input jacks
Hand guard designed
Deluxe carrying case
IEC 1010-1 CAT. II 1000V



APPA 33

APPA 33R (True-RMS reading)

4000 count digital display
AC 600A, 600V Capability
Autoranging
1.2% basic ACV accuracy
1.9% basic ACA accuracy
1.9% basic OHM accuracy
Continuity buzzer
Up to 40mm dia. (750MCM) conductor
600 Volts circuit protection
Display hold function
Auto power off
4 feet drop proof
Insulated input jacks
Hand guard designed
Deluxe carrying case
IEC 1010-1 CAT II 600V

AC/DC CURRENT CLAMP MULTIMETER



APPA 30

APPA 30R (True-RMS reading)

4000 count digital display
Autoranging
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
1.0% basic DCA/ACA accuracy
0.9% basic OHM accuracy
Continuity Buzzer
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 (350 MCM) conductor
4 feet drop proof
Insulated input jacks
Hand guard designed
Deluxe carrying case
IEC 1010-1 CAT II 600V



APPA 361I

APPA 36R1I (True-RMS reading)

4000 count large scale LCD display
Autoranging
Dual Hall Sensor
AC/DC 600 Amps capability
AC/DC 600 Volts capability
40M Ohms Resistance range
True RMS ACV/ACA (APPA36R1I)
Continuity Buzzer
Display Hold
Maximum Hold
Auto-Zeroing Key for DCA
Auto power off selectable
600Volts Circuit protection
Insulated input jacks
Up to 35mm dia. (750MCM) conductor
Up to 40x15mm busbar
4 feet drop proof
Deluxe carrying case
Hand guard designed
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
Autoranging
Dual Hall sensor
Nickel-Steel alloy jaw mechanism
0.7% basic DCV accuracy
1.2% basic ACV accuracy
1.0% basic DCA/ACA accuracy
1.5% basic ACA accuracy
1.0% basic OHM accuracy
0.5% basic Hz accuracy
CONTINUITY buzzer
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
IEC 1010-1 CAT. II 1000V



APPA 39

APPA 39R (True-RMS reading)

4000 count digital display
AC/DC 1000A in specification, and 2000A overload protection
Autoranging
Dual Hall sensor
1.9% basic DCA/ACA accuracy
0.5% basic Hz accuracy
Frequency measurement by clamp-on
Peak hold function
Auto zero key for DCA
Auto power off
Up to 51mm dia. (2") conductor
Up to 24x60mm busbar
4 feet drop proof
Hand guard designed
Deluxe carrying case
IEC 1010-1 CAT. II 1000V