

Clamp Current
Transducer
APPA A30T

## APPA 30T AC/DC Current Transducer

## **Key Functions**

- •Current Transducer with coiled cable output plugs
- •AC Current Measurement
- •DC Current Measurement
- •DC ZERO Switch

## **General Information**

- •DOUBLE INSULATION Protection Class II
- •Select the highest anticipated input (300A or 40A) by the function switch
- •Insert the "Output plugs (red and black)" to the input terminals of a Multimeter. Set the Multimeter to "AC 200mV or 2V" range
- •Press the trigger to open the transformer jaws and clamp one conductor only, make sure that the jaw is firmly closed around the conductor, then read the display from the multimeter directly.

Technical Data			
All at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$ , less than 75% R	.Н.		
Current DC	Range	0~40A/300A	
	Output Voltage	10mV / A for 40A Range	
		1mV / A for 300A Range	
		40A Range: $(0 - 40)A \pm (1.0\% + 0.2A)$	
	Basic Accuracy	$300$ A Range : $(40 - 200)$ A $\pm (1.0\% + 1$ A)	
		$300$ A Range : $(200 - 300)$ A $\pm (1.9\% + 2A)$	
Current AC	Range	0 ~ 40A / 300A	
	Output Voltage	10mV / A for 40A Range	
	Output voltage	1mV / A for 300A Range	
		40A Range : $(0 - 40)A \pm (1.0\% + 0.2A) 40-400Hz$	
	Basic Accuracy	$300$ A Range : $(40 - 200)$ A $\pm (1.0\% + 1$ A) $40$ - $400$ Hz	
		$00A \text{ Range} : (200 - 300)A \pm (1.9\% + 2A) 40-400\text{Hz}$	
	Basic Accuracy:	±(0.9%+3d)	
Load Impendence	10MΩ min.AC/D0	10MΩ min.AC/DC	
Max / Conductor Size	22mm diameter	22mm diameter	
Position Error	±1% of Reading	±1% of Reading	
Type Of Sensing	Hall effect sensing for AC and DC		
Low Battery Indicator	Red LED indicator		
Power On Indicator	Green LED indicator, flashing		
<b>Temperature Coefficient</b>	0.2 x (Spec.Acc'y	0.2  x (Spec.Acc'y) / °C, < 18°C  or  > 28°C	
Power Requirement	Single 9V battery	Single 9V battery (NEDA 1604A or IEC 6LF22) (Use supplied)	
<b>Battery Life</b>	66 hours typical (A	66 hours typical (Alkaline).	
Size	66mm (W) x 185n	66mm (W) x 185mm (L) x 40mm (H)	
Weight	270 g	270 g	
<b>Included with Instrument</b>	Coiled cable output	Coiled cable output plugs (installed), manual and carrying case.	

