

# YF-8030A AC/DC Clamp-on Meter

is designed and built for use in an environment of pollution degree 2 according to IEC 1010-1 CAT III 1000V Double and Reinforce Insulation.



## FUNCTIONS

- Auto power off
- Auto zero
- Function keys: Min./Max. Hold.
- Test ranges: ACV, ACA, DCV, DCA, Ω, Capacitance, Frequency, Diode, Continuity.
- The maximum conductor size is 52mm

## ACCESSORIES

- User's manual
- Test leads
- 9V battery x 1pc
- Carrying case

## POWER SUPPLY

- Battery type: 9V NEDA 1604 IEC 6F22
- JIS 006P battery x 1pc.
- Battery life: about 100 hours.

## DIMENSION

- Size: 221 x 62 x 35mm (L x W x H)
- Weight: About 500g (including battery)

## DISPLAY

- 3 3/4 digits LCD with maximum reading 3999, plus decimal point, unit symbol indication.
- Overload indication: LCD will show "4" or "-4" flash in the upper position accompany with continuous buzzer.
- Automatic polarity, "-" display for negative input.
- Low battery indication: Replace battery immediately when LCD displays " ㊟ ".

## SAMPLING SPEED

- Sampling rate: 2 times per second.

## SPECIFICATIONS

Accuracy:  $\pm$  (.....%rdg.....dgt) at 23°C  $\pm$  5°C, below 80% RH.

	Range	Resolution	Accuracy	Input impedance	Overload protection
ACV (Auto)	4V	1mV	$\pm$ (1.2%+3)	11MΩ	DC 1000V AC 750V rms
	40V	10mV			
	400V	100mV	10MΩ		
	750V	1V		$\pm$ (1.5%+5)	

	Range	Resolution	Accuracy 50Hz~60Hz	Overload protection
ACA	400A	0.1A	$\pm$ (2.0%+5)	1200A (60 seconds)
	1200A	1A		

	Range	Resolution	Accuracy	Input impedance	Overload protection
DCV (Auto)	400mV	0.1mV	$\pm$ (0.5%+3)	100MΩ	DC 1000V AC 750V rms
	4V	1mV		11MΩ	
	40V	10mV		10MΩ	
	400V	100mV			
	1000V	1V	$\pm$ (0.8%+3)		

	Range	Resolution	Accuracy	Overload protection
DCA	400A	0.1A	$\pm$ (1.5%+5)	1200A rms (60 seconds)
	1200A	1A	$\pm$ (2.0%+5)	

	Range	Resolution	Accuracy	Max. open voltage	Overload protection
Resistance	400Ω	100mΩ	$\pm$ (1%+3)	0.4V	DCAC 500V rms
	4KΩ	1Ω			
	40KΩ	10Ω			
	400KΩ	100Ω			
	4MΩ	1KΩ	$\pm$ (3%+5)		
	40MΩ	10KΩ			

	Range	Resolution	Accuracy	Max. sensitivity	Overload protection
Frequency (Auto Ranging)	100Hz	0.01Hz	$\pm$ (0.5%+1)	5V rms	AC/DC 500V rms
	1KHz	0.1Hz			
	10KHz	1Hz			
	100KHz	10Hz			
	500KHz	100Hz			

	Range	Resolution	Test voltage	Measuring current	Open voltage	Overload protection
Diode test	→	1mV	$\pm$ (2.0%+1)	0.7mA	3V	AC/DC 500V rms

	Range	Resolution	Sound level	Max. open voltage	Overload protection
Continuity	⎓	0.1Ω	Below 40Ω	<0.4V	AC/DC 500V rms

	Range	Resolution	Accuracy	Test voltage	Overload protection
Capacitance test (Auto)	4nF	1pF	$\pm$ (3%+10)	1V	AC/DC 500V rms
	40nF	10pF			
	400nF	100pF			
	4μF	1nF			
	30μF	10nF			