

TM-1012 AC Clamp-on Meter

is designed and built for use in an environment of pollution degree 2 according to IEC61010-1 (2001) and IEC61010-2-032 (2002) CAT III 600V.



ACCESSORIES

- User's manual
- Carrying case
- Test leads & rubber test lead holder
- 1.5V Battery x 2pcs

POWER SUPPLY

- Battery type: R03 (AB)/SIZE AAA 1.5V/ UM4 battery x 2pcs.
- Battery life: 200 hours approx. (alkaline battery recommended)


OPERATION CONDITION

- Operating temperature & humidity: 5°C ~ 40°C, below 80% RH.
- Storage temperature & humidity: -10°C ~ 60°C, below 70% RH.

DIMENSION

- Size: 205 x 64 x 39mm (L x W x H)
- Weight: About 280g (including battery)

DISPLAY

- 3 1/2 digits LCD with maximum reading 1999, Plus decimal point, unit symbol indication.
- Polarity indication: Automatic polarity, “-” display for negative input.
- Overload indication: LCD will show “OL” in the upper left position.
- Low battery indication: Replace battery when LCD display “”.

FUNCTIONS

- Auto range, Auto power off (10 minutes)
- Function keys: Data Hold, Range Hold.
- Test Ranges: DCV, ACV, ACA, DCV, Ω, Diode, Continuity.
- The maximum conductor size is 30mm
- When impedance in circuit is below 25Ω, the buzzer will sound.
- Double injection

SAMPLING SPEED

- Sampling rate: 2 times per second for digital display.

SPECIFICATIONS

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

	Range	Resolution	Accuracy 50Hz~500Hz	Input impedance	Overload protection
ACV (Auto/Manual)	2V	1mV	± (1.0%+3)	11MΩ	DC/AC 660V rms
	20V	10mV			
	200V	100mV	10MΩ		
	600V	1V	± (1.2%+3)		

	Range	Resolution	Accuracy 50Hz~60Hz	Overload protection
ACA (Auto/Manual)	200A	0.1A	± (2.0%+10)	600A rms (60 Seconds)
	400A	1A		

	Range	Resolution	Accuracy	Input impedance	Overload protection
DCV (Auto/Manual)	2V	1mV	± (0.8%+2)	11MΩ	DC/AC 660V rms
	20V	10mV			
	200V	100mV	10MΩ		
	600V	1V	± (1.0%+2)		

	Range	Resolution	Accuracy	Max. open voltage	Overload voltage
Resistance (Auto/Manual)	200Ω	0.1Ω	± (1%+5)	About -1.5Vdc	DC/AC 660V rms (60 Seconds)
	2KΩ	1Ω	± (1%+3)		
	20KΩ	10Ω			
	200KΩ	100Ω			
	2MΩ	1KΩ			
	20MΩ	10KΩ	± (3%+3)	About -1.5Vdc	

	Range	Resolution	Accuracy	Max. open voltage	Overload protection
Diode Test	→+	10mV	± (0.5%+3)	About -3.0Vdc	600V rms

	Range	Buzzer	Max. open voltage	Overload protection
Continuity Test	“ ”	Below 25Ω	About -1.5Vdc	600V rms