

TM-1016 AC Clamp-on HVAC Meter

is designed and built for use in an environment of pollution degree 2 according to IEC 61010-1(2001) CAT III and IEC 61010-2-032(2002) CAT III 600V.



FUNCTIONS

- Auto range, Auto power off.
- Function keys: Select, Data Hold, Range Hold.
- Test ranges: AC μ A, DC μ A, ACA, DCV ACV, Ω , Continuity, Capacitance, Temperature.
- The maximum conductor size is 30mm
- Continuity test is designed buzzer sound when impedance in objective's circuit below 25 Ω .
- Back light display for easy reading in the dark.

ACCESSORIES

- User's manual
- Test leads
- 1.5V battery x 2pcs
- Plug adapter with banana pins
- TP-03 temperature bead probe
- Test lead rubber holder


POWER SUPPLY

- Battery type: R03 (AB)/SIZE AAA 1.5V/UM4 battery x 2pcs.
- Battery life: 100 hours approx. (alkaline battery recommended)

DIMENSION

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

DISPLAY

- 3 $\frac{3}{4}$ digits LCD with maximum reading 3999, Plus decimal point, unit symbol indication.
- Polarity indication: Automatic polarity, "-" display for negative input.
- Overload indication: LCD will show "OL" in the up left position.
- Low battery indication: Replace battery as LCD display "  ".

SAMPLING SPEED

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

SPECIFICATIONS

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

	Range	Resolution	Accuracy	Input impedance	Overload protection
ACV (Auto/Manual)	4V	1mV	\pm (1.0%+3)	11M Ω	660V rms
	40V	10mV		10M Ω	
	400V	100mV	\pm (1.2%+3)		
	600V	1V			

	Range	Resolution	Accuracy 50Hz~500Hz	Burden voltage
ACμA (Auto/Manual)	400 μ A	0.1 μ A	\pm (1.2%+3)	500 μ V/ μ A
	4000 μ A	1 μ A		

	Range	Resolution	Accuracy 50Hz~60Hz	Overload protection
ACA (Auto/Manual)	40A	0.01A	\pm (2.0%+10)	600A rms (60 seconds)
	400A	0.1A		

	Range	Resolution	Accuracy	Input impedance	Overload protection
DCV (Auto/Manual)	4V	1mV	\pm (0.8%+2)	11M Ω	660V rms
	40V	10mV		10M Ω	
	400V	100mV	\pm (1.2%+2)		
	600V	1V			

	Range	Resolution	Accuracy	Burden voltage
DCμA (Auto/Manual)	400 μ A	0.1 μ A	\pm (1.0%+2)	500 μ V/ μ A
	4000 μ A	1 μ A		

	Range	Resolution	Accuracy	Open-circuit voltage	Overload protection
Resistance	400 Ω	100m Ω	\pm (0.8%+5)	>0.4V	600V rms
	4K Ω	1 Ω			
	40K Ω	10 Ω	\pm (0.8%+2)		
	400K Ω	100 Ω			
	4M Ω	1K Ω			
40M Ω	10K Ω	\pm (3.0%+2)			

	Range	Buzzer	Max.open voltage	Overload protection
Continuity	")"	Below 25 Ω	About -1.5VDC	600V rms

	Range	Resolution	Accuracy	Test voltage	Overload protection
Capacitance	40nF	10pF	\pm (3.0%+10)	>3.3V	600V rms
	400nF	100pF			
	4 μ F	1nF			
	40 μ F	10nF			
	400 μ F	100nF			
	4000 μ F	1 μ F			
4mF	10 μ F	\pm (5.0%+10)			

Temperature : optional temp. probe: K (CA) type.

	Range	Resolution	Accuracy
Temperature	$^{\circ}$ C	-50 $^{\circ}$ C~1300 $^{\circ}$ C	1 $^{\circ}$ C
	$^{\circ}$ F	-58 $^{\circ}$ F~1999 $^{\circ}$ F	1 $^{\circ}$ F

The tolerance of temp. probe excluded

* Max. input voltage for thermocouple: DC60V, AC24V.