

Clamp-on Meters

TENMARS

TM-28E AC/DC True RMS Watt Meter

is designed and built for use in an environment of pollution degree 2 according to IEC 1010-1 CAT II 1000V, IEC 1010-1 CAT III 600V and IEC 1010-2-032 CAT III 600V.



ACCESSORIES

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

POWER SUPPLY

- Battery type: 9V NEDA 1604 IEC 6F22
JIS 006P battery x 1pc.
- Battery life: 200 hours approx.

OPERATION CONDITION

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

DIMENSION

- Size: 218 x75 x 43mm(L x W x H)
- Weight: About 375g (including battery)

DISPLAY

- Back light 3³/₄ digits LCD with max. reading 3999, plus decimal point, unit symbol indication.
- Overload indication: LCD will show "OL" in the upper left position.
- Low battery indication: Replace battery immediately when LCD displays " ㊄ ".

FUNCTIONS

- Conversion type: Trms
- Auto range, Auto power off, Auto zero.
- High speed bargraph
- Function keys: Max./Min. Hold, Data Hold, Trms Positive and Negative Peak Hold.
- Test Ranges: ACV, ACA, DCV, DCA, Ω, WATT, Frequency, Continuity.
- The maximum conductor size is 35mm

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	Frequency	Overload protection
AC+DC Watt	40KW	0.01KW	± (5.0%+5)	0~1KHz	600V rms
	400KW	0.1KW			

TRUE RMS: From 10% to 100% of range.

	Range	Resolution	Accuracy	Overload Protection
ACV	400V	0.1V	40Hz~400Hz ± (1.2%+5)	600V rms
	600V	1V	400Hz~2KHz ± (2.0%+5)	

* Input Impedance:10Ω/less than 100Pf. Crest factor: >3:1

Voltage 1mS PEAK HOLD

	Range	Resolution	Accuracy	Overload protection
Voltage	600V	1V	± (2.0%+20)	600V rms

TRUE RMS: From 10% to 100% of range.

	Range	Resolution	Accuracy		Overload protection
			40Hz~65Hz	65Hz~1KHz	
ACA	400A	0.1A	± (2.0%+5)	± (3.0%+8)	800A rms (60 seconds)
	600A	1A			

Current 1mS PEAK HOLD

	Range	Resolution	Accuracy	Overload protection
Current	600A	1A	± (2.5%+20)	800V rms

	Range	Resolution	Accuracy	Overload protection
DCV	400V	0.1V	± (1.0%+3)	600A rms
	600V	1V		

	Range	Resolution	Accuracy	Overload protection
DCA	400A	0.1A	± (1.5%+5)	800A rms (60 seconds)
	600A	1A	± (2.0%+5)	

	Range	Resolution	Buzzer	Max. open voltage	Overload protection
Continuity test	" "	1Ω	Lower 400Ω	About 1.2V	DC 600V AC 600V rms

	Range	Resolution	Accuracy	Max. open voltage	Overload protection
Resistance	4000Ω	1Ω	± (1.0%+3)	0.4VDC	600V rms

	Range	Resolution	Accuracy	Max. sensitivity	Overload protection
Frequency test	4KHz	1Hz	± (0.5%+3)	5V rms	DC 600V AC 600V rms
	40KHz	10Hz			
	400KHz	100Hz			