

## AC/DC Digital Clamp Tester

AC/DC Current ,40A/400A/2000A

True rms reading ,55mm  $\phi$  CT

**Model 270 (CE)**



### *FEATURES*

- Wide current measurements with tear drop type 55mm  $\phi$  CT up to 2000A.
- True rms reading for ACA and ACV.
- Data-hold and Auto power off function.
- Additional AC/DC voltage, resistance, diode test, continuity check.
- Auto zero adjustment for DC current offset
- Conform to IEC safety requirements.

## SPECIFICATIONS

Safety standard	: IEC 61010-1, IEC 61010-2-032 ,Installation Category Category III 600V phase to earth.
E.M.C. standard	: EN 61326.
Measuring method	: Dual slope integration mode
AC conversion	: True rms responding
Display	: 3.5 digit LCD, max. reading of 3999
Jaw opening capability	: 55mm $\phi$
Over range indication	: Blanking of all digits except MSD 1
Low battery indication	: "Battery" mark on LCD
Data hold indication	: "DH" mark on LCD
Sampling	: 2 times/sec.
Withstanding voltage	: AC 5500V 1 minute max. (Between the core of CT and outer case)
Operating temperature	: 0°C to 40°C, 80%RH max. ( Without condensation )
Storage temperature	: -10°C to 60°C, 70%RH max. ( Without condensation )
Power supply	: 1.5V (AM-4,LR03 or AAA) $\times$ 2
Power consumption	: 25mW
Auto power off	: Approx.10 minutes later after power on
Battery life	: Approx.90 hours continuous
Size	: 85(W) $\times$ 240(H) $\times$ 34(D)mm
Weight	: Approx. 350g
Accessories	: Hard carrying case...1    Instruction manual.....1 Test lead.....1set    Batteries.....2

Crest factor : <3 (0~50% of range)

Accuracy (23°C  $\pm$  5°C, 80%RH or less)

<2 (50~100% of range)

Function	Range	Resolution	Accuracy	Max. input
ACA(50/60Hz)	40A	0.01A	$\pm 2\%rdg \pm 8 dgt$	AC/DC2000A
DCA	400A	0.1A	$\pm 1.5\%rdg \pm 8 dgt$	
Manual range	2000A	1A		
ACV(50/60Hz) DC V Auto/Manual range	400mV	0.1mV	$\pm 1.2\%rdg \pm 8 dgt$	AC/DC 600Vrms
	4V	0.001V		
	40V	0.01V		
	400V	0.1V		
Frequency(Hz) Auto range	100Hz	0.01Hz	$\pm 0.5\%rdg \pm 3 dgt$	AC/DC 600Vrms
	1000Hz	0.1Hz		
	10kHz	0.001kHz		
	100kHz	0.01kHz		
Resistance( $\Omega$ ) Auto/Manual range	400 $\Omega$	0.1 $\Omega$	$\pm 1.5\%rdg \pm 8 dgt$	Input protection
	4k $\Omega$	0.001k $\Omega$		250 Vrms
	40k $\Omega$	0.01k $\Omega$		
	400k $\Omega$	0.1k $\Omega$		
	4000k $\Omega$	1k $\Omega$		
Continuity check	400 $\Omega$	0.01 $\Omega$	Continuity beeper	250Vrms
			Approx.<40 $\Omega$	
Diode test	3V	0.001V	$\pm 10\%rdg \pm 3 dgt$	250Vrms