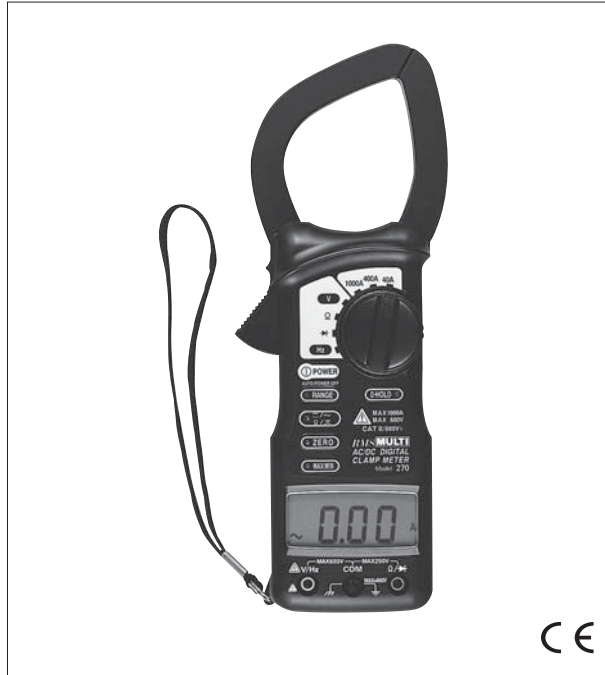


DIGITAL CLAMP TESTER

AC/DC CURRENT

Model **270**

True rms reading
 55mmϕ CT



FEATURES

- Low cost high performance and true rms reading AC/DC clamp tester.
- 4000 count full scale display.
- Additional AC/DC voltage, resistance, frequency test, continuity check and diode test function.
- Auto power off and data hold function.
- Convenient push switch for auto zero adjustment in DC current measurement.

SPECIFICATIONS

- AC conversion : AC coupled true rms responding
 Safety standard : Meets the requirements for double insulation to IEC 61010-1 (2001), IEC 61010-2-032 (2002) installation Category III 600V phase to earth.
 E.M.C. standard : The instrument meets EN 61326 (2004)
 Withstanding voltage : AC 5500V, 1 minute (Between outer case and core of CT)
 Measuring method : Dual integration mode
 Jaw opening capability : 55mm ϕ
 Display : 3 1/2 digit LCD max. reading of 3999 and annunciators
 Over range indication : Blanking of all digits except MSD1 (Except AC/DC 2000A range)
 Low battery indication : "BAT" mark on LCD readout
 Sampling : 2 times/s
 Range : Auto or manual ranging, AC/DC current (Manual ranging)
 Data hold indication : "DH" mark on LCD readout

- Auto power off : The meter is set to power off mode approx. 10 minutes after the power switch on.
 Operating temperature : 0°C to 40°C, <80%RH (Non-condensing)
 Storage temperature : -10°C to 60°C, <70%RH (Non-condensing)
 Power supply : 1.5V ("AAA" size R03)×2
 Power consumption and battery life : Approx. 25mW, 90 hours continuous.
 Size : 85(W)×240(H)×34(D)mm
 Weight : Approx. 350g
 Accessories : Carrying case..... 1
 Instruction manual..... 1
 Batteries..... 2
 Test lead..... 1

Crest factor : <3 (0~50% of the range)
 <2 (50~100% of the range)

Measuring ranges (23°C±5°C, < 80%RH) :

Range	Resolution	Accuracy	Max. input
~A (50/60Hz) ⎓ A Manual range	40A	± 2% rdg ± 8 dgt	AC/DC 2000A
	400A		
	2000A	± 1.5% rdg ± 8dgt	
~V (50/60Hz) ⎓ V Auto/Manual range	400mV	± 1.2% rdg ± 8dgt (50/60Hz)	AC/DC 600V rms
	4V		
	40V		
	400V		
Hz Frequency Auto range	100Hz	± 0.5% rdg ± 3dgt	AC/DC 600V rms
	1000Hz		
	10kHz		
	100kHz		
	1000kHz		
Ω (Resistance) Auto/Manual range	400Ω	± 1.5% rdg ± 8dgt	input protection
	4kΩ		250V rms
	40kΩ		
	400kΩ		
	4000kΩ		
Continuity check	400Ω	± 3% rdg ± 10dgt	250V rms
		Ccontinuity beeper Approx. <40Ω	
Diode test	3V	± 10% rdg ± 3dgt	250V rms