

# Digital Clamp Tester

AC Current ,20A/200A/2000A ,55mm  $\phi$  CT

**Model 2100 (CE)**



## ***FEATURES***

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

## SPECIFICATIONS

Safety standard	: IEC 61010-1, IEC 61010-2-032 ,Installation Category II 600V or Category III 300V.
E.M.C. standard	: EN 61326.
Measuring method	: Dual slope integration mode
Display	: 3.5 digit LCD, max. reading of 1999
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 3700V 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	: 3.5mW
Auto power off	: Approx.10 minutes later after power on
Battery life	: Approx.500 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

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

Function	Range	Accuracy	Maximum input
AC A (50/60Hz) Manual ranging	20A	$\pm 1.2\%$ rdg $\pm 10$ dgt	AC2000A (30 second)
	200A	$\pm 1.2\%$ rdg $\pm 10$ dgt	
	2000A	$\pm 1.2\%$ rdg $\pm 8$ dgt	
AC V (50/60Hz) DC V Auto ranging	2V	$\pm 0.7\%$ rdg $\pm 5$ dgt	DC 600V or AC 600V rms
	20V	$\pm 1.2\%$ rdg $\pm 5$ dgt	
	200V	$\pm 1.2\%$ rdg $\pm 5$ dgt	
Resistance( $\Omega$ ) Auto ranging	200 $\Omega$	$\pm 1.2\%$ rdg $\pm 5$ dgt	Input protection 250V rms (30 second)
	2k $\Omega$	$\pm 1.2\%$ rdg $\pm 5$ dgt	
	20k $\Omega$	$\pm 1.2\%$ rdg $\pm 5$ dgt	
	200k $\Omega$	$\pm 1.2\%$ rdg $\pm 5$ dgt	
	2000k $\Omega$	$\pm 1.2\%$ rdg $\pm 5$ dgt	
	20M $\Omega$	$\pm 3.0\%$ rdg $\pm 10$ dgt	
Continuity check	2k $\Omega$	Beeper <approx.300 $\Omega$	250V rms
Diode test	2V	$\pm 10\%$ rdg $\pm 3$ dgt	250V rms