

MULTI DIGITAL CLAMP TESTER

AC Current, 20A/200A/2000A, 55mm ϕ CT (CE)

Model M-2100+



FEATURES

- Wide current measurements with tear drop type 55mm ϕ 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	: IEC 61326
Measuring method	: Dual slope integration mode
Display	: 3.5 digit LCD, max. reading of 1999
Jaw opening capability	: 55mm ϕ
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)×2
Power consumption	: 3.5mW
Auto power off	: Automatically turned off if the meter has not been used for approx. 10 minutes.
Battery life	: Approx. 500 hours continuous
Size	: 85(W)×240(H)×34(D)mm
Weight	: Approx. 350g
Accessories	: Hard Carrying Case, Instruction Manual, Test Lead, Batteries

Function	Range	Accuracy	Max. input
AC A (50/60Hz) Manual ranging	20A	$\pm 1.2\% \text{ rdg} \pm 10 \text{ dgt}$	AC 2000A (within 3 second)
	200A	$\pm 1.2\% \text{ rdg} \pm 10 \text{ dgt}$	
	2000A	$\pm 1.2\% \text{ rdg} \pm 8 \text{ dgt}$	
AC V (50/60Hz) DC V Auto ranging	2V	$\pm 0.7\% \text{ rdg} \pm 5 \text{ dgt}$	DC 750V or AC 750V rms
	20V	$\pm 1.2\% \text{ rdg} \pm 5 \text{ dgt}$	
	200V	$\pm 1.2\% \text{ rdg} \pm 5 \text{ dgt}$	
	750V	$\pm 1.2\% \text{ rdg} \pm 5 \text{ dgt}$	
Resistance(Ω) Auto ranging	200 Ω	$\pm 1.2\% \text{ rdg} \pm 5 \text{ dgt}$	Input protection 250V rms (within 10 seconds)
	2K Ω	$\pm 1.2\% \text{ rdg} \pm 5 \text{ dgt}$	
	20K Ω	$\pm 1.2\% \text{ rdg} \pm 5 \text{ dgt}$	
	200K Ω	$\pm 1.2\% \text{ rdg} \pm 5 \text{ dgt}$	
	2000K Ω	$\pm 1.2\% \text{ rdg} \pm 5 \text{ dgt}$	
	20M Ω	$\pm 3\% \text{ rdg} \pm 10 \text{ dgt}$	
Continuity check	200 Ω	Beeper <Approx. 50 Ω	250V rms
Diode Test	2V	$\pm 10\% \text{ rdg} \pm 3 \text{ dgt}$	250V rms