

# M-271+

AC/DC Clamp Tester, made in Japan

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Instruments



Medium diameter and easy to use

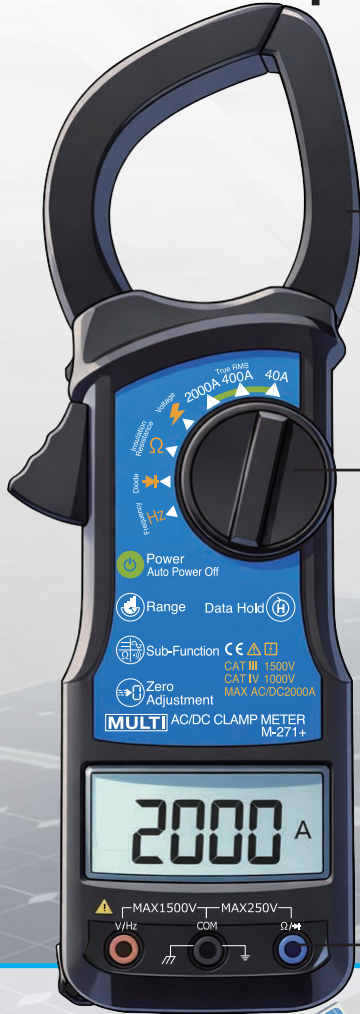
φ55mm

One device with multiple functions

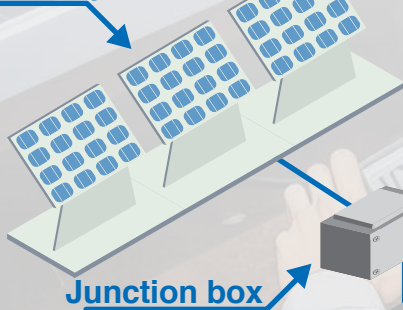
AC/DC current, voltage, resistance, continuity check, diode test, frequency measurement

Wide range of use

CAT III-1500V CAT IV-1000V



Solar array

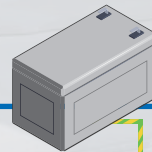


Junction box

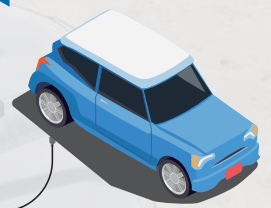
Power collection box

Inverter

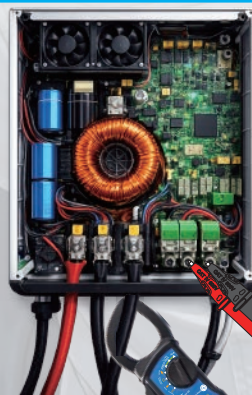
Storage battery



Battery charger for EV



@Mega solar power facilities, etc.



Performance acceptable:

Max AC/DC 1500V

Max AC/DC 2000A rms

# Specifications

Accuracy-guaranteed temperature and humidity: 23°C ± 5°C, <80% RH , non-condensing, Crest factor: <2

Range	Resolution	Accuracy	Maximum input
AC (50/60Hz) A DC A	40A	0.01	±2% rdg±8 dgt
	400A	0.1	
	2000A	1	±1.5% rdg±8 dgt
AC (50/60Hz)V DC V	400mV	0.1	±1.2%rdg±8dgt
	4V	0.001	
	40V	0.01	
	400V	0.1	
Insulation Resistance Ω	400Ω	0.1	±1.5% rdg±8 dgt
	4kΩ	0.001	
	40kΩ	0.01	
	400kΩ	0.1	
	4000kΩ	1	±3% rdg±10 dgt
Continuity check Diode test	400Ω	0.1	< Approx. 40Ω
	3V	0.001	±10% rdg±3 dgt
Frequency Hz	100Hz	0.01	±0.5% rdg±3 dgt
	1kHz	0.1	
	10kHz	0.001	
	100kHz	0.01	
	1000kHz	0.1	
			AC 1000V rms

Cautions: Range Data Hold

- Current measurement should be performed with the conductor being positioned in the center of the CT.
- In the 2000A range, 1200A to 2000A are considered short-time ratings.
- In the AC/DC 40A measurement range, the last digit may display a few digits (dgt) when the input is 0A. This is due to the circuit being designed to be highly sensitive, and is not a malfunction.
- For DC current measurements, please perform a zero adjustment beforehand.
- For frequency measurements, please set the input sensitivity.
- Resolution follows the range units.

**MULTI** Established in 1986  
 Let's Create New Concepts of Instruments  
 Tokyo, Osaka, Beijing, Bangalore

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