

MULTI**MULTI MEASURING INSTRUMENTS CO., LTD.**

DGSeals.com

6505 W Park Blvd · Suite 306 PMB 356 · Plano, TX 75093

TEL 972.931.8463 · FAX 972.931.8668 · sales@dgseals.com

FLEXIBLE LEAKAGE CURRENT TESTER

Model RLM-1

FEATURES

- Freely Bending with Rogowski Method Flexible Clamp Sensor
- Useful for Difficult Access Locations with Wide Ranges
- Even Coreless Coil but Least Influence from External Magnetic Field and Residual Current
- Superior Flexible CT enables Leakage Current Measurement



SPECIFICATIONS

1. CURRENT DETECTION PART (CT SENSOR)

Sensing Method	: Flexible Split-Core Type
Inside Diameter	: ϕ 210mm (total length approx. 650mm)
Influence of Residual Current	: Less than 0.5A (at AC 50A, the point where influence is most receivable)
Withstanding Voltage	: AC 2200V/1 minute
Length of Lead Wire	: Approx. 2m between CT and Measuring Part

2. MEASURING PART

Measuring Function	: AC Line Current, AC Leakage Current
Measuring Method	: Dual Integration Mode
Measuring Range	: AC 3000mA/30A/300A/3000A (50/60 Hz)
Range Selection	: 4 Range Manual by Rotary Switch
Sampling Rate	: 2 Times/sec.
Display	: LCD max. 3200 reading with annunciators
Over Range Indication	: "OL" mark on LCD
Data Hold Indication	: "DH" mark on LCD
Low Battery Indication	: "B" mark on LCD
Data Hold Function	: by "DH" Switch
Filter Function	: by Filter Switch to cut hi-frequency (Low Pass Filter for cut off 150 Hz)
Signal Output	: DC 300mV full scale to each range (Output impedance : less than 10K Ω)
Auto Power Off	: Approx. 10 minutes after power on (this function is cancelled in case of using recorder cable for signal output)

3. GENERAL SPECIFICATION

Circuit Voltage	: Less than AC 600V
Operating Temperature	: 0~40°C, < 85%RH without condensation
Storage Temperature	: -10~60°C, < 70%RH without condensation
Withstanding Voltage	: AC 2200V/1 minute
Power Supply	: 1.5V ("AA" size, UM-3) x 6
Dimension (Measuring Part)	: 159(W) x 105(H) x 53(D) mm
Standard accessories	: Battery (UM-3 x 6), Instruction Manual , Carrying Case

4. ACCURACY (23°C \pm 5°C, less than 80%RH)

Range	Resolution	Accuracy
AC 3000mA	1mA	$\pm 3\%rdg \pm 5dgt$
AC 30A	0.01A	$\pm 2.5\%rdg \pm 5dgt$
AC 300A	0.1A	
AC 3000A	1A	
Signal Output		$\pm 2\%$ F.S.