



## Leakage Clamp Meter DCM 10 A

### FEATURES

- 0.01 mA resolution for measuring earth leakage currents.
- 300 A range for standard current measurements.
- Analogue Bargraph Display for trending .
- Pocket sized and lightweight.
- Jaw size 40mm Ø.

## GENERAL SPECIFICATIONS

- ⊙ Measuring Method : Dual integration mode
- ⊙ Measuring Function : Leakage current and load current
- ⊙ Display : 3½ digit L.C.D. max. reading of 3200
- ⊙ Range : 0-30 mA / 300 mA / 30 A / 300 A (50/60 Hz)
- ⊙ Ranging : 2 manual ranges

Range	Min. Resolution	Accuracy
30/300mA	0.01/ 0.1 mA	±1.2% rdg ± 5dgt.
30/300 A	0.01/ 0.1 A	0-200 A : ± 1.2% rdg ± 5 dgt.
		200-250 A : ± 3.0 % rdg ± 5 dgt.
		250-300 A : ± 5.0%rdg ± 5 dgt.

- ⊙ Jaw Opening Capablity : 40 mmφ
- ⊙ Maximum Indication : 3200 counts
- ⊙ Low Battery Indication : 2.5 V- 2.7 V, "⊕-⊖" mark on L.C.D.
- ⊙ Over load indication : "OL" mark on LCD
- ⊙ Data Hold Indication : "DH" mark on L.C.D.
- ⊙ Sampling Time : Approx. 2 times / sec. (Digital Display)  
approx. 12 times / sec (bargraph display)
- ⊙ Auto Power Off : The Meter is set to power off mode approx.  
10 minutes after the power switch on
- ⊙ Limitation of Circuit : Less than AC 600 V
- ⊙ Voltage  
Withstanding Voltage : AC 3700 V/1 minute max. (between the  
core of CT and the unit housing)
- ⊙ Operating Temperature : 0°C to 40°C < 80% RH (non-condensing)
- ⊙ Storage Temperature : -10°C to 60°C < 70% RH (non-condensing)
- ⊙ Accuracy Specified at  
operating temperature : 23°C ± 5°C, 80% RH max
- ⊙ Power Supply : 2 X 1.5 V button cells LR44 or SR 44
- ⊙ Power Consumption : Approx 5 mw
- ⊙ Battery Life : Approx. 50 hrs (LR44)
- ⊙ Size : 64(W) X 176(H) X 23(D)mm.approx
- ⊙ Weight : Approx. 125g.

## SAFETY

Meets the requirments for double insulation to IEC 1010-2-032, IEC 1010-1 (1995), EN 61010-1 (1995) installation Category II 600V phase to earth, Category III 300V phase to earth.

## EMC

- ⊙ The instrument meets EN 50081-1 and EN50082-1 (1992).

## APPLICATION

A typical application for the clamp-meter would be the measurement of earth leakage current in a circuit where the RCD keeps tripping out. The measured result will quickly identify whether the earth leakage current present is excessive causing the RCD to trip, or that the RCD itself is faulty. Standing earth leakage can be the result of various undetected faults in the installation such as cable insulation deterioration, cable damage or the entry of moisture into areas where there are exposed terminals or fittings.

The instrument is pocket sized, light weight, rugged and easy to use, making it an ideal choice for the electrical industry.

## APPLICATION AREAS

- ⊙ Ground fault current measurement
- ⊙ Electrical safety compliance testing
- ⊙ Medical device safety testing
- ⊙ Process loop monitoring
- ⊙ General AC load monitoring.
- ⊙ Industrial troubleshooting checks

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DBS/PC/DCM-06/Rev-02

### NOTES

1. The Instrument is accompanied with Test & calibration sheet. 2. Test Facilities can be provided at the factory with the available test set-ups only. 3. The Company's policy is continuous improvement of its products. we therefore reserve the Right of any deviation from illustration or specifications without notice. 4. Stated accuracies are valid from 1/10th of range to FS. 5. Accuracy Specified for temperature range of 25°C ± 5°C & 55%RH ± 10%.