

**DC LEAKAGE CURRENT MONITOR****Model MDLA-100****GENERAL**

This DC Leakage Current Monitor constantly observes leakage current of DC circuit like as PV generation system, etc. and lights up the warning lamp with signal output, when the leakage current exceeds the setting value.

**COMPOSITION**

- 1) DC Leakage Current Monitor (MDLA-100)---1 (with power supply cord & magnet)
- 2) DC Current Sensor (DCZCT-20) ---1 (with input/output cable)
- 3) Instruction Manual ---1

**SPECIFICATIONS****1) SPEC. OF LEAKAGE CURRENT DETECTION**

- Numbers of Monitoring Circuit : 1 Channel
- Setting Current Values : 10/30/50/100/200mA
- Measurement : DC Leakage Current
- Detection Accuracy : within  $\pm 10\% \pm 1\text{mA}$  to each range
- Detection Period : less than 2 sec. at the time of 120% of setting value
- Recovery Value :  $80\% \pm 5\%$  of setting value
- Additional Time for Signal Output : 2-3 sec.

**2) SPEC. OF CT**

- Inside Diameter :  $\phi 20\text{mm}$
- Structure : Non-Split Core Type ZCT

**3) SPEC. OF WARNING DISPLAY & SIGNAL OUTPUT**

- Warning Lamp (Red LED) lights and is kept lightening when leakage current exceeds the setting value for the period
- Numbers of Output Circuit : 1 circuit
- Output Method : Relay Contact (AC125V, 0.5A/DC24V, 1A), Resistance Loading

**4) GENERAL SPECIFICATION**

- Power Supply Voltage : AC100V  $\pm 10\%$ , 50/60Hz
- Operating Temperature : 0~50°C, less than 85%RH (w/o condensation)
- Storage Temperature : - 20~60°C, less than 85%RH (w/o condensation)
- Withstanding Voltage : AC1000V, 1 minute between power input and case  
AC1000V, 1 minute between signal output and case
- Insulation Resistance : more than 100M $\Omega$  by DC500V insulation tester  
between power input and case  
more than 100M $\Omega$  by DC500V insulation tester  
between signal output and case
- Dimension & Weight : 85.5(H)x110(W)x 5(D)mm, Approx. 300gs.

**5) OTHER SPECIFICATION**

- Test Function: By pushing test switch, warning lamp lights and output signal becomes ON.
- Reset Function: By pushing reset switch, warning lamp goes out and can reset it.  
In case of operating when reset, warning lamp lights again.