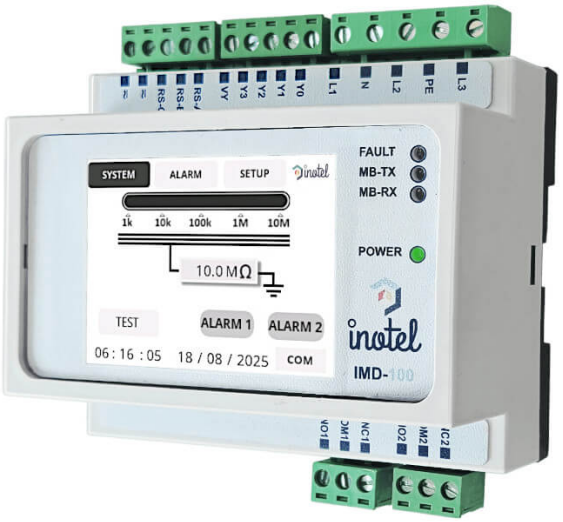
INSULATION MONITORING DEVICE IMD100

IMD100 is used to monitor the safe transmission of energy in connections between solar power plants and electrical grids, as well as in IT networks such as those in hospitals. It continuously monitors the insulation resistance and provides warnings through its integrated relays in case of potential faults, helping to ensure safe operating conditions. The device has two separate alarms that notify the user of possible drops in insulation resistance at different alarm levels.



GENERAL

Supply Voltage	24-380V AC/DC
Consumption	2W
Operating Temperature	-25°C…+70°C
Storage Temperature	-30°C…+70°C
Protection Class	IP30 & IK07
Nominal Voltage Range	AC 0…1 kV; 0,1…460 Hz/ DC 0…1.3 kV
Resistance Range	1kΩ…10MΩ
Measurement Uncertainty	±10%, min. ±1 kΩ
Communication	MODBUS RTU
Assembly	DIN-RAY

DIMENSIONS

Height x Width x Depth	86 x 105 x 57mm
Weight	270 gr.

CONNECTION INTERFACES

Power Input	1 Piece
RS485	1 Piece (Galvanic Isolation, 2.5kV)
Analog Measurement	Terminal block with 3 phase, 1 neutral, and 1 earth input.
Relay Output	2 Pieces 10A @230V AC
Input	4 Pieces 24 V DC, Optical Isolation

FUNCTIONS

Alarms	Two different alarms with adjustable insulation threshold and time.
LEDs	Power, Communication, Alarm
Screen	2.8” TFT-LCD Touch Panel, Resistance Tracking Bar, System, Alarm, and Setup menus

AREAS OF USE

- Industrial Facilities
- Solar Power Plants
- Hydroelectric Power Plants
- Wind Turbines
- IT Networks
- Hospitals

Ostim OSB Mah. Turan Çiğdem Cad. 7/1
Yenimahalle / Ankara / TÜRKİYE

info@inotelelk.com

+90 312 750 09 18