

MEG-1000

Insulation resistance meter



Description

- Does not need an auxiliary power supply
- O DIN box, with dimensions: 96x96
- O Class 1.5
- Neutral insulated or impedance systems (IT network)

Application

MEG-1000 measures and controls the insulation resistance between phase and earth in a neutral insulated or impedance line (IT), with the use of relays. The insulation resistance can be displayed with a galvanometric indicator located on the front of the unit.

To carry out the measurements, the unit applies a continuous voltage of 24 V between the phase and earth, measuring the leakage current circulating through the network insulation resistors. This current determines the insulation resistance.

The unit has two timed output relays, one acts as the maximum (triggered when the insulation resistance is lower than a determined value). In both relays, the trip point and connection delay time can be adjusted with potentiometers located on the back of the unit.

When the insulation resistor is within the maximum and minimum values defined with the potentiometers, the NORMAL LED will be lit on the front panel. When the resistor is out of the margins defined, either exceeding or not reaching the normal levels, the ALARM LED will be lit on the front panel.

Features

Input circuit		
Consumption	5 V·A	
Frequency	20 100 Hz	
Overloads	1.2 $U_{\rm n}$ permanent	
	2 U _n during 5 s	
Accuracy	1.5 % FS	
Ambient conditions		
Operating temperature	+ 10 +30 °C	
Limit temperature	- 25 + 40 °C	
Altitude	2000 m	
Build features		
Dimensions	See the following table	
Weight	See the following table	
Type of box	panel	
Terminal protection degree	IP 00	
Box protection degree	IP 52	
Weight	0.35 kg	
Insulation voltage	2 kV, during 1 min, between the mechanism and the box	
Standards		
BS 89, EN 60051, IEC 144, UL 94, DIN 43780, IEC 51, UNE 21318		





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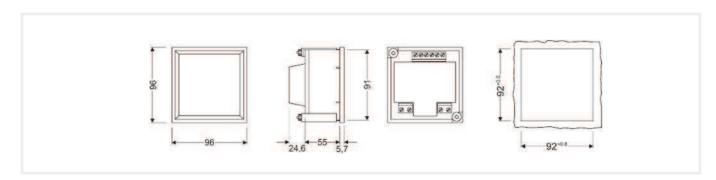


References



Туре	MEG-1000	
Class	1,5	
Scale	90 °	
Frequency	50 60 Hz	
Dimensions (mm)		
a b c	96 96 73,8	
Weight (g)	0,708	
Ω (double scale)	0 500 kΩ 0.5 5 MΩ	
Code	M15051	

Dimensions



Connections

