

UNIVERSAL DIGITAL EARTH LEAKAGE DETECTOR FOR SIGNALING CIRCUITS

Type 905-D



INTRODUCTION

Digital Earth Leakage detector (ELD) Type 905 D is developed by Anuvidyut Pvt. Ltd., Roorkee which fulfills the RDSO specification RDSO/SPN/256/2002.

The equipment is advanced version of existing ELD (Type 905-B2) and comprises of 6 channels of ELD plus one Cable Insulation Tester (CIT) in one 19" sub rack. The Leakage resistance is displayed on an Alphanumeric Display and has many added features as compared to the existing ELD.

SALIENT FEATURES

- ❖ Multifunction Display with Controls
- ❖ User friendly - Easy to use
- ❖ Six channel and one CIT in 19" sub rack
- ❖ Micro Controller Based Design
- ❖ Easy Set Ref setting
- ❖ Auto/Manual Function.
- ❖ Pluggable Connectors for Easy access

TECHNICAL SPECIFICATIONS

Cabinet	:	Sheet Metal 19" sub rack
Working Supply	:	230V/110V AC
Monitoring supply	:	Universal Bus Bar Channel to work from 12V-110V AC/DC
Detecting Voltage	:	110V DC
Detecting current	:	Less than 300 μ A
Display	:	4-line X 20 characters
Leakage Ref Setting Range & setting	:	2K-1M through up/down keys

VISUAL INDICATIONS

Through LED	:	Normal - Green LED Fault - Red LED
Through Display	:	Bus Bar Presence Fault Counter Earth Open Reference setting through Password

No. of channels available in 1 x 19" sub rack	1 to 6 Channels + CIT with Common Display
No. of channels available in 2x 19" sub rack	7 to 12 Channels + CIT Optional
Dimensions and weight of 4/6 Channel	19" Subrack of 3U (Height) x 255mm Depth 7.5 Kg per Unit

ACCESSORIES & SERVICES

CIT Measuring cable	3 Nos (one Green two Red cables of 5 Mtr Each)
Mounting of unit	ELD units are supplied with a steel stand for ON site mounting.
Safety Fuse Board	Bus-Bar is connected through Fuses on this PCB in between Power Board and ELD (Optional)
Installation /Testing	Installation and ELD commissioning can be done by us on Request
Demonstration/ Staff Training	Can be arranged ON SITE or Webinars

BENEFITS OVER EXISTING ELD

❖ Digital Display to Read and Set Leakage Resistance
❖ 12V-110V AC or DC Busbar can be connected on Common Terminals. Busbar Presence shown on Display. (Common Busbar for AC and DC)
❖ 6 Channels + CIT in one Unit makes it Economic and Less Bulky.
❖ Digital Counter to count No. of Faults
❖ Reference Setting By UP/Down switch
❖ ELD Stops working in case of EARTH OPEN
❖ Channel announces FAULT in case of Busbar Not Connected which is indicated on Display
❖ Resetting Function can be set to Auto or Manual for benefit of User
❖ 4 channel/6 Channel-1 Unit
❖ 8 channel/12 Channel-2 Units
❖ 16 Channel/18 Channels- 3 Units
❖ Each Unit Independent by itself
❖ Channel On/Off switch on Front Panel
❖ Earth Broken/Disconnected shown on Display

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