



ESG 80-2

Earth Fault Locator

Benefits

- ▶ **Aktive and Passive mode**
- ▶ **6 sensitivity ranges**
- ▶ **Easy handling and fault direction indication**
- ▶ **Variable earth spike distance**



Description

The Earth Fault Locator ESG 80-2 is used for pinpoint location of sheath faults. This instrument is a highly sensitive galvanometer and is provided with an amplifier. Interfering DC voltages can be suppressed with a compensation circuit.

The pinpoint location method

Pinpoint location of a sheath fault is based on the step voltage method. The test current is flowing into the ground at the point of fault results in a peak at the fault. This peak is located with the two earth spikes and an earth fault locator. In front of the fault position, the step voltage increases as one approach the fault and decreases after the fault with a change in polarity.

Advantages at glance

- ▶ Active mode with amplification and compensation for repressing stray voltage
- ▶ Passive mode for use without battery power supply
- ▶ 6 sensitivity ranges
- ▶ Utmost measuring sensitivity for faults in the μA range
- ▶ Easy handling and fault direction indication
- ▶ Separate input for potential-free measuring with a capacitor
- ▶ Variable earth spike distance for high sensitivity, even far away from faults

Scope of delivery

- ▶ Receiver ESG 80-2
- ▶ 2 earth spikes
- ▶ 2 connecting leads
- ▶ Set of batteries
- ▶ Manual

Technical Data

Ammeter	50 - 0 - 50 μA
Sensitivity	0.14 V (without amplification) 0.50 mV (with amplification)
Ranges	2 x 6 switching stages
Compensation	$\pm 100\%$
Power supply	6 x 1.5 V Mignon
Dimensions (W x H x D)	210 x 120 x 90 cm
Weight	1 kg



Pinpoint Location of a sheath fault



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