



H.V. TEST

Specialists in High Voltage
Testing & Diagnostics

UL50 BM50 (A/I) Pin Pointer

Projects

Repairs

Services

Training

Products

The UL50 receiver is a directional acoustic device for the pin-pointing of flash-over faults, with an additional receiver for picking up electromagnetic frequencies for route tracing purposes. Its simplicity of operation allows users to accurately pin-point faults when used in conjunction with the surge generator. In the audio frequency receiver mode it allows the user to trace underground cables and pin-point low impedance faults, when used in conjunction with an audio frequency generator.

The acoustic pin-pointing is performed by measuring the sound produced by the discharge due to the fault. The receiver has a switchable built-in filter, which is designed to minimize ambient noise (wind, vehicles, etc.) as well as the magnetic and acoustic sensors housed in the hood captor, responsible for sending signals to the receiver. The receiver is able to identify the location of the buried cable thanks to the magnetic field produced by the pulse from the surge generator. This pulse is viewed in the display of the receiver through an indication of both sensors, acoustic and magnetic, which allows the operator to position himself on the route of the cable tested, providing a greater accuracy in the pin-pointing of the fault.

The determination of traces is based on the recognition and evaluation of the electromagnetic field of audio frequency that propagates along the metallic conductor. The field is supported by a tone generator which injects the signal into the conductor and is inductively picked up by the coil mounted at the end of the telescopic stick. The induced signal is selectively amplified and its relative amplitude is indicated on the display of the receiver and in turn fed to the earphones for acoustic recognition.



Features:

- Lightweight receiver with carrying straps.
- Excellent acoustic and magnetic reception.
- Switchable filters against environmental noise.
- Bar graph indication of magnetic field strength (enables accurate tracing of cable route).
- Digital display of distance with respect to fault.
- LCD display provides perfect visibility in low-light conditions.
- Battery status indicator.
- Auto power off after 25 min. of inactivity
- Heavy duty construction for continuous operation.

H.V. TEST

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TECHNICAL SPECIFICATIONS

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UL 50 Receiver

- Filter Analogic
- Measuring indicators LCD graphic display
- Gain = 85 dB (A - acoustic)
= 90 dB (I- inductive)
- Headset output Plug. 6, 3 mm
- Dimensions mm. (h x w x d) 100 x 205 x 95
- Weight 0.850 kg
- Power supply Gel battery 12V 0.8A/h (internal)
- Operating period > 10 hours
- Operating temperature -10°C / +50°C

BM 50 Microphone

- Filter 100Hz - 2KHz
100Hz - 600Hz
350Hz - 1.5kHz
200Hz - 750Hz
- Weight 2kg

Inductive Sensor

- Frequency range 480Hz - 1480Hz - 10kHz
- Weight 0.850 kg

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DELIVERY AND OPTIONAL ACCESSORIES

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Delivery includes:

- Receiver
- Inductive sensor
- Acoustic sensor
- Headphones
- Kit transport case
- Battery charger
- Operating manual



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