

Data Sheet

Universal receiver UL 30



The Universal Receiver UL 30 is used together with ground microphone BM 30 and surge voltage Generator (SSG / STG) for pin-pointing of cable faults. With in BM 30 incorporated velocity device, time difference between magnetic pulse and flashover noise can be measured and evaluated. The UL 30 displays the distance to fault and indicates if you reach the fault or stride away. This is particularly advantageous for cable faults which hardly can be located acoustically.

In combination with Audio Frequency Transmitter (TG) and Search Coil (SP 30) the UL 30 is used for route tracing and depth evaluation of electric lines and cables.

Sheath fault location can be performed using the available two earth probes according the step voltage method.

Main Features UL 30:

- Integrated loudspeaker
- Water resistant design
- Large illuminated LCD display
- Light weight

Main Features BM 30:

- Highly improved shielding against environmental noises
- Complete elimination of destructive influences by digital filters (e.g. traffic and wind noises)
- Flat contacting surface for ideal acoustic signal take up
- Highest sensitivity for magnetic signal pick up

Operating modes:

- Acoustic pin-pointing combined with propagation time measurement (with indication of fault distance)
- Selectable high tech acoustics filter for suppression of ambient noise
- Manhole measurement mode
- Route tracing
- Twist method
- Depth determination
- Cable sheath fault location

Technical data:

Pin Pointing	
Filter frequency for ground microphone	200, 300, 500, 800, 1000 Hz
Propagation velocity range	0 – 96 ms
Input sensitivity	< 1 μ V
Weight of BM 30	2,5 kg
Tracing	
Receiving frequency for search coil	2kHz, 10kHz, others selectable
Passive reception	50 / 60Hz mains signal
Input sensitivity	< 10 nA
Sheath Fault Location	
Max. input voltage	50 V
Noise suppression	> 20 dB at 50 Hz
Input sensitivity	1,5 mV
General	
Filter	digital
Amplification	> 120 dB, adjustable
Headphone output	3 - pin jack plug, 6.3 mm
Operating temperature	-20 °C to +55°C
Power supply	4 x 1.5V cells (IEC LR 6)
Battery life (normal operation)	approx. 40 h
Weight	550 g

Delivery includes:

- Universal Locator UL 30
- Battery alkaline-manganese 1.5 V, IEC LR 6 (4 pcs.)
- Carrying strap
- Cover bag
- Headphone
- User manual

Options:

- Search coil SP 30
- Ground microphone BM 30
- Transport case for UL 30 and BM 30
- Selecting coil AS 2/30
- Selecting coil AS 10/30
- Headphone KH S for suppression of ambient noise
- Accessories set for sheath fault location with UL 30
- Capacitive probe CP 30



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