

## Data Sheet



### Universal Locator UL 30

The Universal Locator 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 Detecting Rod (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.

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**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:**

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

**H.V. TEST (PTY) LTD**

**Delivery includes: UL 30 (414+003)**

- Universal Locator UL 30 without accessories
- Battery alkaline-manganese; 1,5 V; IEC LR 6 (4 pcs.)
- Carrying strap UL 30
- Equipment carry case UL 30
- Headphone KH 30
- Operation manual

**Options:**

- Groundmicrophone BM 30
- Groundmicrophone BM 30 with case
- Detecting rod SP 30
- Detecting rod SP 30 with canvas bag
- Selecting coil for 2,000 Hz; AS 2 / 30
- Selecting coil for 10,000 Hz; AS 10 / 30
- Enclosed headphone (for suppression of ambient noise) KH 8 S
- Accessories kit sheath fault location UL 30