



## Audio Frequency Receiver UL 8

In connection with audio frequency transmitter (TG) and detecting rod (SP 8) the receiver UL 8 is used for route tracing and depth location of buried cables or metallic lines (e.g. water pipes). With ground microphone (BM) and surge voltage generator (SSG) an accurate location of cable faults is possible.

With the incorporated propagation velocity device, time difference between magnetic pulse and flashover noise can be measured and evaluated. This is particularly advantageous for cable faults which hardly can be located acoustically.

The fault position can be located precisely above the cable route, even on cables in pipes.

### Features:

- incorporated loudspeaker
- sturdy, drip proof design
- large illuminated pointer instrument
- automatic switch-off in case of disconnection from ground microphone or detecting rod
- tunable band filter to optimize the acoustic signal
- measurement of acoustic propagation time is incorporated



## Technical data

	UL 8
Operating modes	Detecting rod: all filters applicable Microphone : filter 3 and filter 4 applicable Coincidence measurement: acoustic, visual evaluation; the magnetic pulse is evaluated with the instrument, the acoustic signal via headphone or loudspeaker Propagation velocity: measurement of propagation velocity between magnetic pulse and flash-over noise. Trigger signals are indicated visually
Input impedance	for detecting rod SP 8 < 10 nA for ground microphone BM 8 < 1 $\mu$ V
Amplification	$\geq 100$ dB, adjustable
Filtering modes	Filter 1 - selective filter 10 kHz, band width 15 Hz Filter 2 - selective filter 2 kHz, band width 15 Hz Filter 3 - band filter 50 Hz - 10 kHz Filter 4 - tunable band filter 50 Hz - 10 kHz band width $\pm 15$ % of adjusted frequency $f_0$
Measuring ranges for propagation velocity	0 - 1 ms                      0 - 100 ms 0 - 5 ms                     0 - 500 ms 0 - 10 ms                    0 - 1000 ms 0 - 50 ms
Headphone output	3-pin jack plug, 6,3 mm; 16 $\Omega$
Power supply	9 V (6 batteries IEC R14)
Operating time	with one set of batteries approx. 45 h
Operating temperature	- 20 to + 55 ° C
Dimensions (w x h x d)	approx. 215 x 102 x 160 mm
Weight	approx. 2 kg (incl. 6 batteries IEC R14)

## Order instructions

Audio Frequency Receiver UL 8 with accessories	414-017
<b>Delivery includes:</b>	
6 Batteries Alkaline 1,5 V; IEC R14	567-030
Carrying strap, with adjustable quick release	670-033
Headphone KH 8	414-529
Coupling coil IP 8	461-748
<b>Options:</b>	
Search - coil SP 8 with canvas bag	414-528
Selecting coil for 2000 Hz AS 2 / 8	414-524
Selecting coil for 10000 Hz AS 10 / 8	414-526
Ground microphone BM 8	414-527
Head phone encapsulated against ambient noise KH 8 S	414-507

