

## Kamphone N

### Highly sensitive electro-acoustic pinpointer for locating underground cable faults

The pinpointer **Kamphone** is designed to locate flash-over faults in underground cable networks of various voltage levels accurately. It effectively measures the discharge noise and magnetic field that develop during the discharge of a fault in the ground. The flash discharge is usually generated by a suitable surge voltage generator. The point of max. signal strength will indicate the precise location of the fault.

Advanced evaluation features such as coincidence and time difference modes plus various background noise filter settings improve the location procedure substantially. The Kamphone device includes a receiver and a sensor unit. A wide range of coupling accessories allows adopting the sensor to different ground conditions.



- + Very Sensitive Pinpointer
- + Clear & Concise Transflective Display
- + Ergonomic & Lightweight Receiver

#### APPLICATIONS & FEATURES

- Precise pinpointing of cable faults within underground networks in combination with suitable surge generator;
- Simple line tracing with magnetic channel;
- Interference suppression by integrated DSP signal processing;
- Clear indication of magnetic and acoustic channel strength & triggering on display;
- High quality noise cancelling headphones plus separate amplification of sensor signal and headphone volume;
- Rugged design of housing and plugs (IP66).

#### SPECIFICATIONS

<b>Locating modes:</b>	Acoustic Magnetic Combined	ground sound microphone electro-magnetic field detector coincidence method with rel. distance to fault (time delay)
<b>Dynamic ranges:</b>	acoustic channel magnetic channel time delay	>100dB >64dB 0 to 139,9ms
<b>Noise suppression:</b>	number of filters frequency range	4 120 to 3000Hz
<b>Headphones:</b>	standard protection	82dB
<b>GENERAL DATA</b>		
<b>Receiver unit</b>		
display		160 x 104mm; backlit
dimensions		100 x 190 x 100mm
IP rating		IP66
weight		0,8kg
battery		LiFePo4; 12hr operation
		USB charger
operating temperature		-5°C to +55°C
<b>Sensor unit</b>		
dimensions		95 x 180mm (DxH)
IP rating		IP65
height (with handle)		775mm
weight (with handle)		2,4kg

#### SCOPE OF SUPPLY

Kamphone receiver with noise isolating headphones  
Ground sensor with tripod, spike, plate and deflector  
Battery charger  
Rugged system case; User manuals on CD

#### OPTIONS

P-line surge generators  
Additional USB battery powerpack