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

Locating modes:	
Acoustic	ground sound microphone
Magnetic	electro-magnetic field detector
Combined	coincidence method with rel. distance to fault (time delay)
Dynamic ranges:	
acoustic channel	>100dB
magnetic channel	>64dB
time delay	0 to 139,9ms
Noise suppression:	
number of filters	4
frequency range	120 to 3000Hz
Headphones:	
standard protection	82dB
GENERAL DATA	
Receiver unit	
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
Sensor unit	
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

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