Cable and underground infrastructure locator

LKZ-2000

index: WMGBLKZ2000

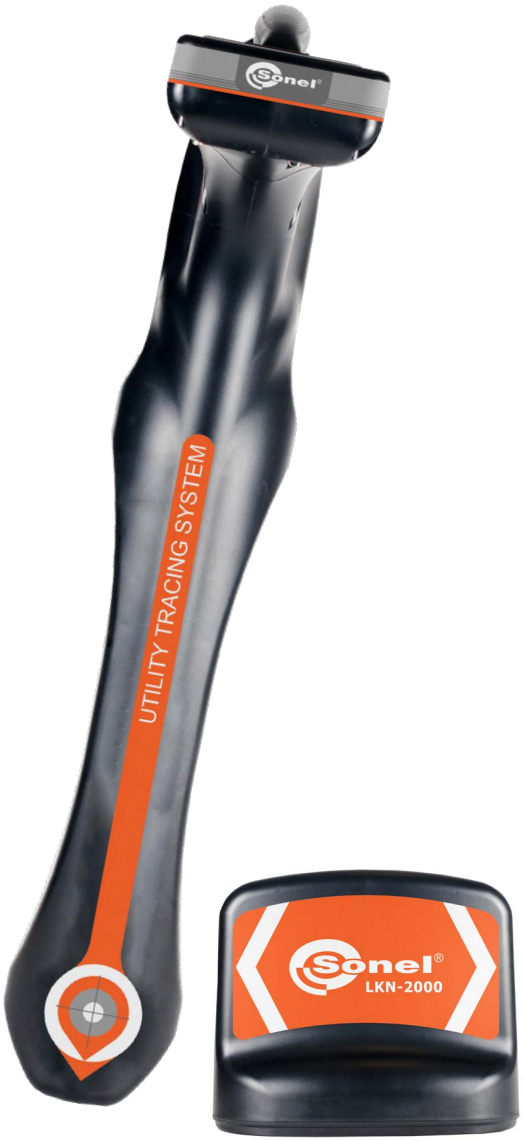
IP65 transmitter

IP65 receiver

Easily locate cables and pipes with pinpoint accuracy

Locator

- **Mode / Frequency:** POWER passive mode: 50 Hz, 100 Hz, 450 Hz / 60 Hz, 120 Hz, 540 Hz, RADIO passive mode: 15 kHz to 60 kHz, Active mode (with transmitter): 512 Hz, 3140 Hz, 8192 Hz, 32768 Hz and 83.1kHz
- **Antenna configuration:** Single peak value, double peak value, neutral point, full field
- **Depth measurement range:** POWER mode up to 3 m., RADIO mode up to 2 m., modes with active transmitter up to 4.6 m., probe mode up to 6 m
- **Accuracy of measurement (error):** 5% depth in linear or probe mode (from 0.2 m to 4.6 m.), 10% depth in probe mode (from 4.6 m to 6 m).
- **Bluetooth:** for remote transmitter control
- **Batteries:** 2 x LR20
- **Operating time with battery power for LKO:** up to 60 hours (at 20°C)
- **Auto-OFF:** Capability of selecting auto-OFF time after 5, 10, 20 or 30 minutes
- **Operating temperature range:** -20°C...+50°C
- **Dimensions:** 700 mm (H) x 325 mm (L) x 122 mm (W)
- **Weight:** 2.18 kg including batteries
- **IP rating:** IP65



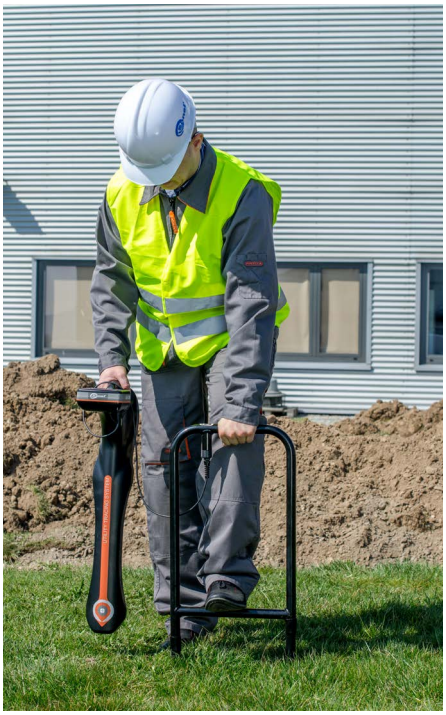
Transmitter

- **Operating frequencies:** 512 Hz, 3140 Hz, 8192 Hz, 32768 Hz, 83,1 kHz, 200 kHz
- **Output power control:** 5 levels
- **Power in induction mode (max):** 3 W
- **Power for galvanic connection (max):** 12 W (for impedance of connected object: 100 Ω)
- **Batteries:** up to 100 hours (level 2 output power at 20°C)
- **Auto-OFF:** Capability of selecting auto-OFF time, after 1, 2, 3, 4, 5, 6, 7, 8 hours
- **Operating temperature range:** -20°C...50°C
- **Dimensions:** 255 mm (H) x 190 mm (D) x 305 mm (W)
- **Weight:** 3.5 kg including batteries
- **IP rating:** IP65

Characteristics

The diversity and concentration of underground infrastructure are still growing. Identifying underground systems was never as difficult and important a task as it is today. Location allows us to infer the actual position of an underground system and determine the proper location for current works, as well as to prevent accidents caused by damage to the underground objects.

The Sonel LKZ-2000 locator set has a series of unique functions that assist in selecting the appropriate location mode. The most important feature distinguishing this instrument from the competition is its capability of analyzing disturbances present at the place where location is performed, facilitating selection of the best frequency under difficult conditions. This makes it possible to avoid selection of an ineffective frequency, significantly accelerating and facilitating work with the locator.



The best system under the most demanding conditions -

Power industry

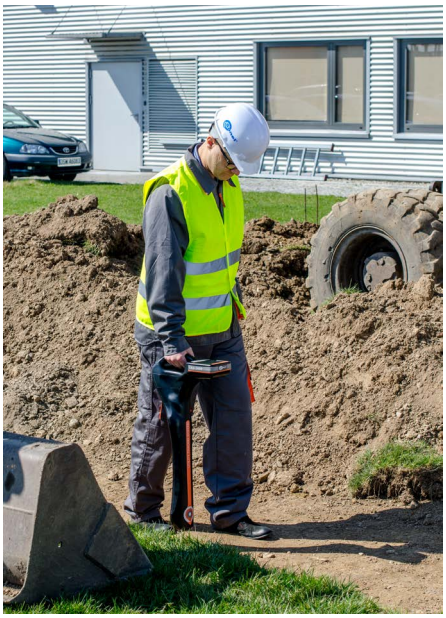
Sonel LKZ-2000 is designed to easily trace power cables over long and short distances with pinpoint accuracy, especially in areas with high levels of electrical interference. When used in conjunction with the supplied Multi Clamp a trace signal can be safely applied to an electrically live cable. The A-Frame accessory can also be used to easily locate cable sheath faults.

Civil engineering and construction industries

The highly durable, weatherproof Sonel LKZ system has a flexible operating system to suit most site conditions and terrain, which is essential on complex and demanding civil engineering and construction sites.

Rail industry

Damaging communication cables can be very costly and time consuming to repair, causing major disruption to the rail network. Sonel LKZ system is designed to easily locate and trace cables in congested areas and with high levels of electrical interference.



Telecom industry

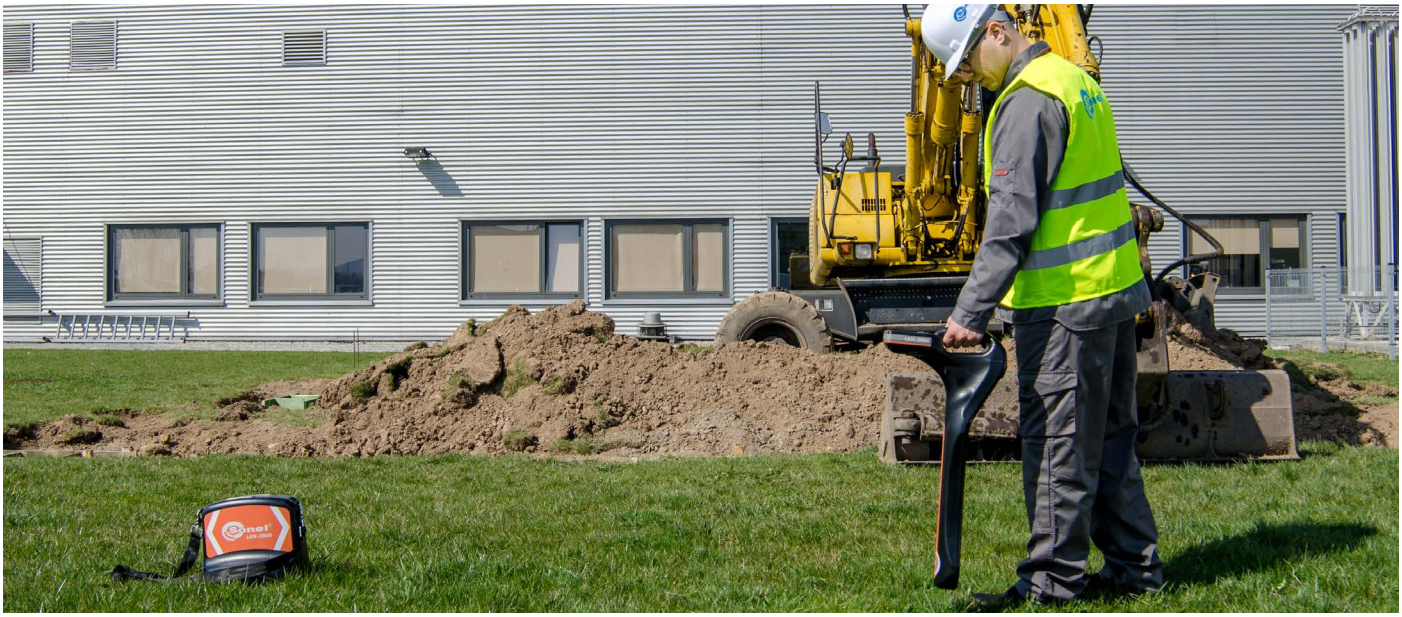
Tracing and locating large bundled cables, such as fibre optic cables, can be difficult and time consuming. Sonel LKZ systems high frequency modes are ideally suited for these types od cables, helping to improve your productivity and locating reliability of all cable types. The A-Frame accessory can be used to easily locate cable sheath faults.

Gas & oil industries

These can be the most potentially hazardous, costly or environmentally sensitive pipes to strike and therefore most important not to damage. Using the Sonel LKZ system's range of low frequency modes, locating and tracing these pipes is easy over long distances, maintaining maximum accuracy.

Water industry

Locating and tracing pipes can support the mapping and surveying of utilities. Using the Sonel LKZ system with our dual frequency sonde is the ideal solution for locating deep underground non-metallic sewerage and drainage pipes, that can't be detected using standard locating technology.



Technical specifications

LKN-2000 transmitter	
Ingress protection	IP65
Power supply	10x LR20 battery
Dimensions	255 x 190 x 305 mm
Weight	ca. 3.5 kg
Operating temperature	-20...+50°C

LKO-2000 receiver	
Ingress protection	IP65
Power supply	2x LR20 battery
Dimensions	700 x 325 x 122 mm
Weight	ca. 2.2 kg
Operating temperature	-20...+50°C

Standard accessories

LKN-2000 cable locator - transmitter

WMGBLKN2000

LKO-2000 cable locator - receiver

WMGBLKO2000

Bag L9

WAFUTL9

Akcesoria opcjonalne

A-frame

WAADALKZRA

N-3 transmitting clamp (Ø125 mm)

WACEGN3

Wire to locate non-metallic installations

30 m
WAPRZPN30

50 m
WAPRZPN50

80 m
WAPRZPN80

NAD-1 transmission probe

WASONNAD1

BIK probe for wireless identification of cables

WASONBIK

Ground probe 15 cm

WASONG15

Li-Ion battery 3.6 V 4.5 Ah

WAAKU11

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