



## LKZ-2000

### WIRES AND PIPE LOCATOR

Easily locate cables and pipes with pinpoint accuracy.



#### **Sonel LKZ-2000 is a new model of LKZ series - more powerful, easier to use!**

The complexity of large underground utilities networks is continually increasing. So obtaining precise information on the location of specific buried cables and pipes has never been so important in order to protect buried assets during ground excavation work and supporting the mapping and surveying of these existing utilities.

Sonel LKZ-2000 system has a unique flexible operating modes to help you easily decide the right mode for your locating application and site conditions. The intelligent utility locator monitors the signal interference levels in all available modes and recommends which to use for the best results. Saving you time and giving you increased confidence in your results.

**Sonel S.A.**  
Wokulskiego 11  
58-100 Świdnica  
tel. +48 74 85 83 860  
fax +48 74 85 83 809

[export@sonel.pl](mailto:export@sonel.pl)  
[www.sonel.pl](http://www.sonel.pl)

## Sonel LKZ-2000 - the best system for most challenging 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 of 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.

LOCATOR	
Frequency / Mode (factory enabled)	Power mode 50 Hz, 100 Hz, 450 Hz / 60 Hz, 120 Hz, 540 Hz Radio mode 15 kHz to 60 kHz Transmitter mode 512 Hz, 3140 Hz, 8192 Hz, 32768 Hz and 83.1kHz (22 frequencies user configurable)
Antenna configurations	Single peak, twin peak, null, total signal or left/right (cable only)
Depth	Power to 3 m (10 ft.) Radio to 2 m (6 ft.) Transmitter modes to 4.6 m (15 ft.) Sonde to 6 m (20 ft.)
Depth Estimation	5% of depth in line or sonde (0.2 m to 4.6 m depth range) 10% of depth sonde 4.6 m to 6 m
Bluetooth	For remote control transmitter
Battery type	2 x LR20, not supplied
Battery life	60 hours intermittent use (at 20°C / 68°F)
Auto-off	Selectable after 5, 10, 20 or 30 minutes
Operating temperature range	-20°C to 50°C (-4°F to 122°F)
Dimensions	700 mm (H) x 325 mm (L) x 122 mm (W) (27" H x 1.8" L x 4.8" W)
Weight	2.18 kg (94.8 lbs) including batteries
IP rating	IP65

TRANSMITTER	
Operating frequencies (factory enabled)	512 Hz, 3140 Hz, 8192 Hz, 32768 Hz, 83.1 kHz, 200 kHz (12 frequencies user configurable)
Output power control	5 levels
Induction (max)	3 Watt
Direct connection (max)	12 Watt when connected to a buried service with an impedance of 100 Ohms
Battery type	10 x LR20, not supported
Battery life	up to 100 hours intermittent use (level 2 output at 20°C / 68°F)
Shutdown	Selectable auto shutdown after 1, 2, 3, 4, 5, 6, 7, 8 hours
Operating temperature range	-20°C to 50°C (-4°F to 122°F)
Dimensions	255 mm (H) x 190 mm (D) x 305 mm (W) - (10" H x 12" L x 8" W)
Weight	3.5 kg (8 lbs) including batteries
IP Rating	IP65

### Standard equipment:



LKO-2000 receiver  
WMXXLKO2000



LKN-2000 transmitter  
WMXXLKN2000



Carrying case  
WAFUTL9

### Additional optional accessories:



Multi clamp 5"  
WACEGN3



A-frame  
WAADALKZRA



Dual frequency probe)  
WASONNAD1



Reeled transmission wire to locate non-metallic installations  
WAPRZPN30, WAPRZPN50, WAPRZPN80



Power supply adaptor with additional battery pack  
WAAKU14



Probe for wireless identification of cables  
WASONBIK