

# SCHONSTEDT®



## PIPE & CABLE LOCATORS

MULTI-FREQUENCY  
A F F O R D A B L E  
A C C U R A T E



## TWO MODELS

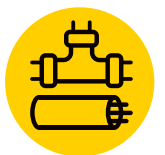


CONTRACTOR



Optimized for Excavation  
and Construction Contractors

UTILITIES



Optimized for Utilities and  
Utility Workers

SPX®

SCHONSTEDT INSTRUMENT COMPANY • 100 EDMOND ROAD • KEARNEYSVILLE, WV 25430 • 304-725-1050

The Schonstedt brand is part of Radiodetection Ltd.



## Operating Modes

**Simple mode selection matches Loki to the signal type being located.**

### Sonde Mode

Detects the signal radiated by a compatible sonde.



### Transmitter Mode

Detects the transmitter signals imposed on buried utilities.



### Power Mode

Detects the electromagnetic fields generated by loaded power cables.



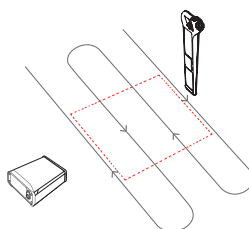
### Dual Mode

Simultaneously searches for and identifies Transmitter and Power signals for quick sweeps.



## Make a Clean Sweep

Failure to accurately identify the presence of utilities may result in damage to underground pipes and cables which, in turn, can lead to utility outages, costly repairs and project delays. In some instances personal injuries can result. Loki is the perfect tool for “sweeping” a large area to quickly and easily locate buried assets. Loki is loaded with features that support quick and easy detection and the safe uncovering of utility lines.



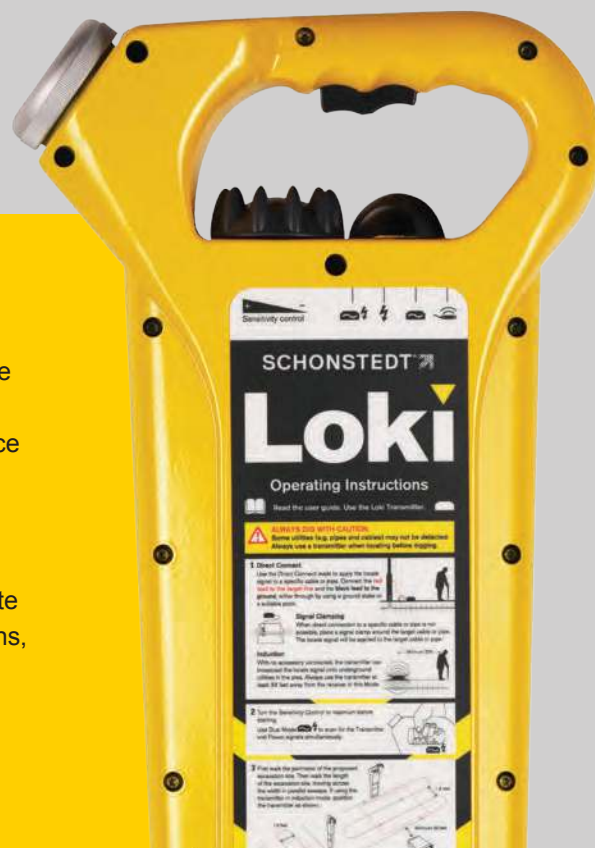
### ShallowAlert™

While common practice and guidelines call for burying power cables below a certain depth, shallow cables are a common cause of cable strikes, damage, and injury. **ShallowAlert™** warns the user to the possible presence of shallow cables and utility lines in all modes.



### NoiseProtect™

Automatically manages the system gain to compensate for strong signals, e.g. from mains power or substations, to enable accurate locating.





# Detect a broad range of utilities

Designed to meet the demanding environments of the construction and utility industries



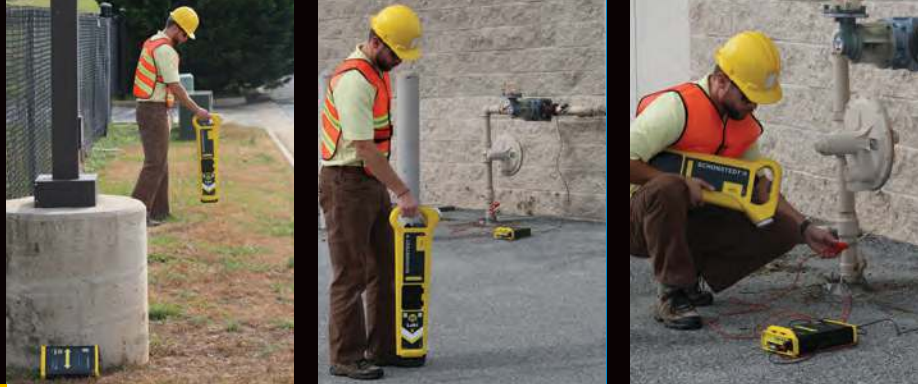
## Contractor Model

Optimized for excavation and construction contractors, the higher frequency 131 kHz within the Contractor model can be used to find well-insulated, high impedance utilities, such as a twisted pair of telecom cables or insulated pipe joints. A lower frequency of 512Hz can be used to support the long range locating of lower impedance cables, such as power lines.



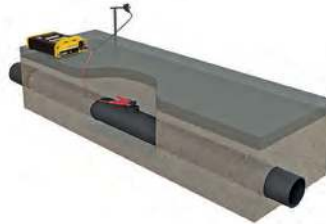
## Utility Model

Built for the challenge of detecting and tracing buried water/drain pipes and telecom ducts, the low 512 Hz frequency can be used to trace metallic pipes, and harder to locate jointed-pipes with the higher 82 kHz frequency.



## Direct Connection

The most effective method for connecting to a valve, meter, junction box or other access point, as long as access is possible.



## Induction

Conveniently apply a transmitter signal to a pipe or cable when, direct connection or signal clamping is not possible.



## Sondes

Sondes enable non-metallic pipes to be accurately traced, depth determined and the position of blockages accurately identified.



## FlexiTrace™

Connect the transmitter to a FlexiTrace to radiate a continuous tracing signal from non-metallic pipes and conduits.



## Signal Clamping

Safely apply a transmitter signal to a pipe or cable up to 220mm/8.5" diameter without interrupting the supply.



## Live Cable Connector

For applying the transmitter signal to a live cable or mains socket, the most certain method of locating a power distribution system in a street.



Specifications	
Weight:	Receiver: 4.9 lbs (2.2kg), Transmitter: 4.0 lbs (1.8kg)
Water and dust resistance:	IP54
Audio options:	Tx has built-in water-resistant speaker, generating audio capable of being heard over road traffic. Rx has detachable speaker, doubles as ear piece.
Operating temperature:	-4°F to 122°F (-20°C to 50°C)
Storage temperature:	-4°F to 158°F (-20°C to 70°C)
Dimensions:	Rx: 28" x 9.8" (71cm x 25cm) Tx: 10.8" x 6.9" x 2.4" (27.5cm x 17.5cm x 6cm)
Battery type:	D Cells
Battery run-time:	Rx: 13 hours (alkaline) Tx: 8 - 20 hours depending on mode (alkaline)
Depth accuracy:	Line: 5% 0.3' - 9.8' (0.1m - 3m) Sonde: 5% 0.3' - 16' (0.1m - 4.8m)
Locate accuracy:	+/- 10% of depth
Warranty:	1 year



### Standard Equipment

- Receiver w/batteries
- Transmitter w/batteries
- Connection leads
- Ground Stake & Lead
- Quick Start Manual
- Carrying bag
- Earth spool w/magnet

Receiver Functions		Contractor	Utilities
Active locate frequencies:	512Hz	•	•
	8kHz	•	•
	82kHz		•
	131kHz	•	
Inductive frequencies:	8kHz	•	•
	82kHz		•
	131kHz	•	
Sonde frequencies:	512Hz	•	•
	8kHz		•
	33kHz		•
Passive locate modes:	Power	•	•
Dual Mode:	Simultaneously searches for and identifies Transmitter and Power signals	•	•
Gain control:	Manual gain	•	•
ShallowAlert™:	Audio and visual warning when a cable or pipe less than 12" deep is detected. Operates in Active and Passive locating modes.	•	•
NoiseProtect™:	Automatically manages the system gain to compensate for strong signals, e.g. from mains power or substations, to enable accurate locating.	•	•
Transmitter Functions		Contractor	Utilities
Frequencies:	Match Rx Model	•	•
Audio feedback:	Indicate good connection	•	•
Inductive mode:	In 8k and 131k	•	
	In 8k and 82k		•
Direct Connect output power:	2 user options up to 1W	•	•



OPTIMIZED FOR CONTRACTORS



OPTIMIZED FOR UTILITIES



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