



498X84

2VCX4



3JG93

## Underground Utility Locators

Locators provide an audible alert when they detect energized and unenergized power lines, cables, and metallic pipes. These instruments help contractors accurately find and mark buried utilities and lines to prevent hazards, eliminate downtime and delays, and reduce excavation costs. They work by active or passive tracing: an active system includes a transmitter that connects to or is positioned near above-ground equipment with lines running underground. The transmitter sends a signal through the system and pairs with a receiver that produces an audible and visual warning when held above the underground utility. A passive system does not use a transmitter to induce a signal but is less accurate than an active system. Underground utility locators also find buried telephone lines and cables as well as water, gas, and sewage lines.



**Utility Marker Balls** identify the above-ground location of buried utility lines and pipes. They help contractors and excavation crews find and avoid contact with underground power, cable, gas, and water lines.

**Underground Utility Transmitters** connect to above-ground equipment, stakes, or rods and send a signal that travels underground. This signal is picked up by compatible locators and used to mark the precise location of underground utility lines and pipes.

**Signal Clamps** pair with compatible underground utility locators as part of an active tracing system. They fasten or clamp around above-ground conductors and transmit electrical signals to find the exact location of underground utilities and pipes.

Maximum Locating Depth	Operating Frequency	Includes	Brand	Mfr. Model	Item No.
<b>Utility Line Locating Receiver</b>					
10 ft	50 Hz, 60 Hz	Carrying Case	Leica	LEICA DD120	2VCX4
15 ft	1 kHz, 128 Hz, 33 kHz, 8 kHz	Carrying Case	RIDGID	21893	1DPH2
<b>Utility Line Locator Kit (Transmitter &amp; Receiver)</b>					
7 ft	126 kHz	Carrying Case, Transmitter	Megger	656902	3JG93
15 ft	50 Hz, 60 Hz	Carrying Case, Transmitter	Leica	DD120 DEPTH KIT	54GE17
20 ft	50 Hz, 60 Hz	Carrying Case, Replacement Fuses, Signal Clamp, Transmitter	Amprobe	UAT-620	498X84
For Use With	Operating Frequency	Transmitter Power Output	Brand	Mfr. Model	Item No.
<b>Utility Marker Balls</b>					
Non-Potable Water	—	—	Tempo Communications	OM-01	56FN53
Cable TV	—	—	Tempo Communications	OM-02	56FN54
Gas	—	—	Tempo Communications	OM-03	56FN55
Fiber Optic	—	—	Tempo Communications	OM-04	56FN56
Telephone	—	—	Tempo Communications	OM-05	56FN57
Sanitary	—	—	Tempo Communications	OM-06	56FN58
Water	—	—	Tempo Communications	OM-08	56FN59
Power	—	—	Tempo Communications	OM-09	56FN60
<b>Underground Utility Transmitters</b>					
Mfr. No. SR-20/21893 and Mfr. No. SR-60/22163	1 kHz, 33 kHz, 8 kHz	5 W	RIDGID	ST-305	1DPH3
Mfr. No. SR-20/21893 and Mfr. No. SR-60/22163	0.128 kHz, 1 kHz, 33 kHz, 8 kHz	10 W	RIDGID	ST-510	1DPH4
Boring Tools, Drain Rods, Inspection Cameras	33 kHz	—	Leica	MINI SONDE 8/33	2VCY1
2VCX4 Service Locators, Mfr. No. 500i	131 kHz, 33 kHz, 512 Hz (DA230 Series Models), 640 Hz (DA230 Series Models), 8 kHz	1 W	Leica	DA220 1 WATT	2VCX5
<b>Signal Clamps</b>					
Signal Transmitters	5 kHz	—	Leica	SIGNAL CLAMP	54GE19
Line Transmitters	8 to 262 kHz	—	RIDGID	72963	793K39



## Cable Length Meter

Measures copper and aluminum cables, and covers the major wire gauges. Automatic temperature compensation; reads in feet and meters. Milliohm measurement capability measures from 15 to 30,000 ft. 5-yr. warranty.

Connector Type	Includes	Item No.
Kelvin Clip Leads	Abrasive Pad, Copper Calibration Bars, Soft Carrying Case, Test Leads	29RM95



1ELK6

## Ferrous Metal Locators **CST/berger**

Instruments locate iron, surveyors' markers, valve covers, and other ferrous objects underground, under water, or in snow. Each includes soft case.

**3XA25**—LCD with digital bar graph. Sensitivity switch allows manual adjustment.

**1ELK5 and 1ELK6 with Erase**—Detect metals up to 15 ft. underground. Aluminum sensor tube allows use in various weather conditions. Erase button helps distinguish between target item and interfering items. With high-tech magnetic sensors and electronic balancing. LCD with digital numeric and bar graph displays, plus power line indicator. 1ELK5 analog bar graph allows you to locate visually.

Description	Mfr. Model	Item No.
Ferrous Metal Locator	19-550	3XA25
Magna-Trak MT202 Magnetic Locator	19-202SC	1ELK5
Magna-Trak 102 Magnetic Locator	19-557	1ELK6