









# DIAGNOSTICS, INSPECTION & LOCATING

## Locating Equipment

**RIDGID® Receivers** – RIDGID locating receivers feature an easy to use visual mapping display that allows you to locate utility lines and sondes/beacons with confidence. Use with a SeeSnake camera equipped with a sonde transmitter to locate the camera head during an inspection or use with a line transmitter to find buried utilities. These locators can also find flushable float sondes and remote transmitters attached to a push rod or drain cable.

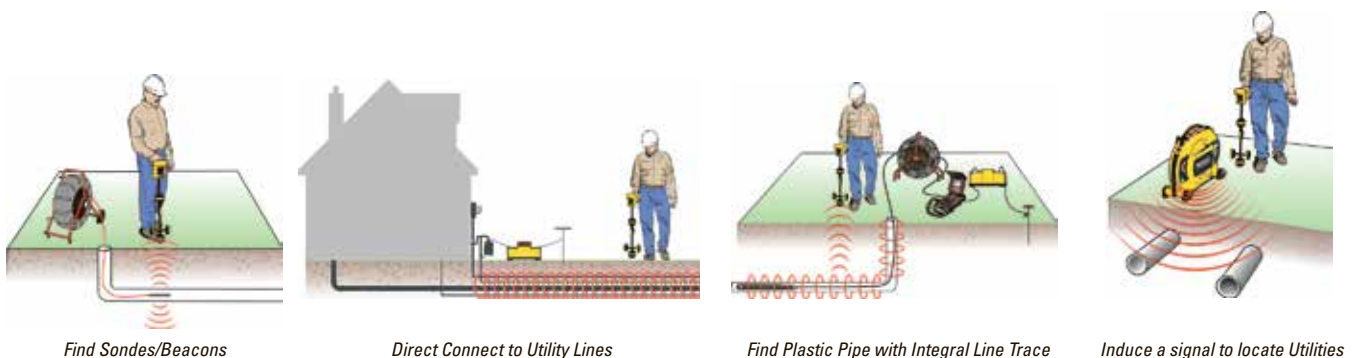
	<b>SeekTech SR-60</b>	<b>SeekTech SR-20</b>	<b>NaviTrack Scout®</b>
			
	<b>30123</b>	<b>21943</b>	<b>19243</b>
PAGE NUMBER	11.27	11.26	11.30
Omni-Directional Mapping Display	Yes	Yes	Yes
User Defined Frequencies	Yes up to 93 kHz	Yes up to 35 kHz	No
Number of Active Line Trace Frequencies	All up to 93 kHz	All up to 35 kHz	3
Sonde Frequencies	All up to 93 kHz	All up to 35 kHz	4
Passive Search	Omni-Seek (searches all passive bands at once)	Omni-Seek (searches all passive bands at once)	50/60 Hz
Depth	Continuous	Continuous	Push Button
Weight w/batteries	5.1 lb. (2,3 kg)	3.5 lb. (1,6 kg)	3 lb. (1,4 kg)

**RIDGID® Transmitters** – Accurately trace buried utilities by applying a signal with a RIDGID Line Transmitter. All transmitters have multiple frequency options and are capable of applying a signal by direct connection and induction. Powerful 5 W and 10 W transmitters apply a strong signal making for easier locates.

	<b>SeekTech ST-33Q</b>	<b>SeekTech ST-510</b>	<b>SeekTech ST-305</b>
			
	<b>26563</b>	<b>21953</b>	<b>21948</b>
PAGE NUMBER	11.28	11.29	11.29
Max Power Output	+5 W**	10 W	5 W
Digital Display	Yes	Yes	No
Line Trace Frequencies	All up to 93 kHz	5*	4
Inductive Frequencies	2	5*	3
Simultaneous Transmit 2 Line Frequencies	No	No	Yes
Weight w/batteries	11.1 lb. (5,0 kg)	9 lb.(4,1 kg)	2.5 lb. (1,2 kg)

\* The ST-510 Transmitter can also be set to frequencies used by other manufacturers' equipment.

\*\* When external power source is connected to the ST-33Q, or rechargeable batteries are used up to 10 Watts nominal output power can be generated in direct connect mode.



## SeekTech® Utility Line Locators

The large displays on SeekTech receivers give you the information you need when you need to locate with speed, accuracy and confidence.



### Performance

The mapping display confirms a good locate signal and identifies distortion in congested areas using:

- Target-Line – Guides the operator down the line and shows changes in direction.
- Left-Right Guidance Arrows – Points the operator to the target utility.
- Proximity Signal and Signal Strength – Helps the operator center the locator closer to the target for more confident locates.

### Other Features

- Continual Depth – Increases productivity by showing depth changes in real-time.
- Omni-Seek® – Increases accuracy and efficiency when searching in passive mode. Continuously searches passive power and radio bands to locate and avoid unknown metallic lines.
- User-Defined frequencies – RIDGID SeekTech receivers can be configured with up to 30 user-defined frequencies.
  - SeekTech SR-60 locator can be set to any frequency between 10 Hz and 93.000 Hz making it a universal receiver.
  - SeekTech SR-20 locator can be set to any frequency between 10 Hz and 35.000 Hz.

### Comparison of Features

	SR-20 Locator	SR-60 Locator	Conventional
Omni-Directional Mapping Display	Yes	Yes	No
User Defined Frequencies (Competitor Frequencies)	Yes - up to 35kHz	Yes - Up to 93kHz	Limited or No
Omni-Seek® (Simultaneous Multiple Line Trace)	Yes - All Passive Bands at Once	Yes - All Passive Bands at Once	No
Depth	Continual	Continual	Push Button or Triangulation
Current Measurement	Continual	Continual	Push Button & Average
Distortion Indication On One Screen	Yes	Yes	No
Simultrace™ (Simultaneous Sonde & Line Trace)	No	Yes	No
Stereo Guidance (Using Headphones)	No	Yes	No

## SeekTech® SR-20 Locator

For a lightweight yet rugged receiver that provides all the information needed for faster, more accurate locates.

### Easy to Use

- Target line and guidance arrows quickly identify distortion.
- Proximity signal and signal strength help work through difficult locates.
- Can trace any frequency from 10 Hz to 35,000 Hz.

### SR-20 Locator Specifications

Active Line Trace Frequencies\* .....128 Hz, 1 kHz, 8 kHz, 33 kHz.  
 Passive Power Trace .....50 Hz, 60 Hz, <4 kHz Broadband.  
 Passive Radio Trace .....4 kHz - 15 kHz, 15 kHz - 36 kHz.  
 Sonde Frequencies.....16 Hz, 512 Hz, 640 Hz, 850 Hz,  
 8 kHz, 16 kHz, 33 kHz.  
 Power Source .....4 C-Cell Batteries.  
 Battery Life.....Approximately 16 Hours.  
 Weight.....3.5 lbs. (1,6 kg).

Meets FCC Class A and EN 55022 Class A requirements.

\* 30 user definable frequencies can be set from 10 Hz to 35,000 Hz.

### Standard Equipment

- Hard plastic carrying case.
- Surface markers and clip.
- Instructional DVD.
- Operator's manual.
- 4 C-Cell Batteries (alkaline).

### Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
21943	SeekTech SR-20 Line Locator	3.5	1,6
22173	SR-20 Case	5	2,2



## SeekTech® SR-60 Locator

For the fastest, easiest, most versatile receiver available.

### Versatility

- Can trace any frequency from 10 Hz to 93,000 Hz.
- Can trace energized lines and sondes (active beacons) simultaneously.
- Has all the ease of use and accuracy of the SR-20 locator but with ALL locatable frequencies. Choose the SR-60 locator for fast confident locates even under tough locate conditions (poor conductors, poor soil conditions, poor grounding, etc.).

### SR-60 Locator Specifications

Active Line Trace Frequencies**	128 Hz, 1 kHz, 8 kHz, 33 kHz, 51 kHz, 93 kHz.
Passive Power Trace	50 Hz, 60 Hz, <4 kHz Broadband.
Passive Radio Trace	4 kHz - 15 kHz, 15 kHz - 36 kHz.
Sonde Frequencies**	16 Hz, 512 Hz, 640 Hz, 850 Hz, 8 kHz, 16 kHz, 33 kHz.
Power Source	4 C-Cell Batteries.
Battery Life	Approximately 16 Hours.
Weight	5.1 lbs. (2,3 kg).
Meets FCC Class A and EN 55022 Class A requirements.	

\*\* 30 user definable frequencies can be set from 10 Hz to 93,000 Hz.

### Standard Equipment

- Hard plastic carrying case.
- Surface markers and clip.
- Instructional DVD.
- Operator's manual.
- 4 C-Cell Batteries (alkaline).

### Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
30123	SeekTech SR-60 Line Locator	5.1	2,3
29798	SR-60 Case	5	2,2



# DIAGNOSTICS, INSPECTION & LOCATING




## SeekTech® Utility Transmitters

RIDGID® offers a range of transmitters for tracing underground metallic pipes and cables.

All RIDGID transmitters generate a signal onto the buried cable in one of three ways:

- Direct connection using connection cords.
- Induction with the optional inductive signal clamp.
- Induction from the transmitter.

### Comparison of Features

	ST-33Q	ST-510	ST-305
			
Direct Connect Frequencies	All	5	4
Inductive Frequencies	2	3	3
Competitors' Frequencies	User Defined Frequencies	Factory Set	No
Simultaneous Transmit 2 Line Frequencies	No	No	Yes
Automatic Impedance Matching	Yes	Yes	Yes
Digital Output Level Display	Yes	Yes	No
Max Power Output	+5W*	10W	5W
Variable Power Setting	Low, Medium, High	Fully Adjustable	Low, Medium, High
Power Source	6 D-Cell Batteries	8 D-Cell Batteries	6 C-Cell Batteries
Battery Check	Continuous	Continuous	At Start-up
Weight (without batteries)	11.1 lb. / 5,0 kg	9 lb. / 4,1 kg	2.5 lb. / 1,9 kg
FCC & EN 55022 Requirement	Class A	Class B	Class A

\*When external power source is connected to the ST-33Q, or rechargeable batteries are used up to 10 Watts nominal output power can be generated in direct connect mode.



### SeekTech ST-33Q Line Transmitter

- The ideal transmitter for inducing current onto a target line.
- Increase efficiency and trace further by inducing over eight times more current onto a target line.
- The most versatile transmitter available with any direct connect frequency between 10 Hz and 93 kHz.
- Audio feedback confirms a good circuit before beginning a trace.

#### Frequencies:

- Direct Connect (factory set): 128 Hz, 1 kHz, 8 kHz, 33 kHz, 93 kHz.
- Direct Connect (user defined): 10 Hz – 93 kHz.
- Induction: 8 kHz, 33 kHz.

#### Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
26563	SeekTech ST-33Q Transmitter (5 Watts)	11.1	5,0

# DIAGNOSTICS, INSPECTION & LOCATING



## SeekTech® ST-510 Line Transmitter

- Ten Watts of fully variable power output.
- LCD display provides instant visual feedback on line resistance and current flow.
- Two 25' (7,62 m) lead wires with heavy duty clips.
- Compatible with competitor's equipment.
- Audio feedback confirms a good circuit before beginning a trace.

### Frequencies:

- Direct Connect: 128 Hz, 1 kHz, 8 kHz, 33 kHz and 93 kHz.
- Induction: 1 kHz, 8 kHz, 33 kHz, 93 kHz.
- Competitor Frequencies: available in both direct connect and induction.

### Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
21953	SeekTech ST-510 Transmitter (10 Watts)	9	4,1



## SeekTech ST-305 Line Transmitter

- Lightweight and compact transmitter that delivers up to 5 Watts of power.
- Can transmit two frequencies simultaneously.
- Audio feedback confirms a good circuit before beginning a trace.

### Frequencies:

- Direct Connect: 1 kHz, 8 kHz, 33 kHz, 93 kHz.
- Induction: 1 kHz, 8 kHz, 33 kHz, 93 kHz.

### Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
21948	SeekTech ST-305 Transmitter (5 Watts)	2.5	1,9



## SeekTech Inductive Signal Clamp

- Allows users to apply a signal to a cable or pipe when direct connection is not possible.
- Compatible with all RIGID® transmitters.

### Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
20973	SeekTech 4" (100 mm) Inductive Signal Clamp	2	0,9



# DIAGNOSTICS, INSPECTION & LOCATING

## NaviTrack Scout® Locator



The NaviTrack Scout locator is designed to solve the most demanding remote transmitter (sonde) locates using multi-directional locating technology.

### Easier Locates

The NaviTrack Scout multi-directional antenna technology sees the entire signal all of the time. Simply maximize the signal strength and you have found the target. No nulls or false peaks to complicate the locate.

### Accuracy

This locator verifies the locate position using a micro-mapping display to mark distinctive poles in front of and behind the target, insuring an accurate locate.

### Automatic Depth

Depth is automatically calculated and displayed when over the target.

### Specifications

- Weight.....3 lbs. (1,4 kg).
- Power Source .....4 C-Cell batteries.
- Battery Life .....Approximately 24 hours.

### Standard Frequencies

- Sonde.....16 Hz, 512 Hz, 640 Hz and 33 kHz.
- Line Trace .....512 Hz, 8 kHz and 33 kHz.
- Passive AC Line Trace .....60 Hz, 50 Hz.

### Standard Equipment

- Hard Plastic Carrying Case.
- Surface Markers and Clip.
- Instructional DVD.
- Operator's Manual.
- 4 C-Cell Batteries.

The NaviTrack Scout is ideal for users locating SeeSnake cameras and other sondes who occasionally need to locate energized lines.

### Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
19243	NaviTrack Scout Locator	3	1,4
20248	Scout Carrying Case	6.25	2,8
12543	Marker Chips and Clip	–	–

*Meets FCC Class B and EN 55022 Class B requirements.*



## NaviTrack® Transmitters



### Remote Transmitter

- Can be attached to a drain cleaning cable or a water jet hose to locate the Remote Transmitter in a line.
- Flashing LED indicates that sonde is transmitting.
- Meets FCC Class B and EN 55022 Class B requirements.

#### Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
16728	Remote Transmitter, 512 – AAA	0.4	0,18
19263	Adapter for 5/8" & 3/4" (16 mm & 20 mm) Drum Machine Cables	–	–
19268	Adapter for 7/8" (22 mm) Sec. & 1/2" (12 mm) Drum Machine Cables	–	–
19273	Adapter for 5/8" (16 mm) Sec. & 3/8" (10 mm) Drum Machine Cables	–	–
19258	Adapter for 1 1/4" (32 mm) Sectional Cable	–	–

### Floating Transmitter

- Ideal for locating septic tanks.
- 512 Hz signal.
- Flashing LED indicates that sonde is transmitting.
- Flushable.
- Battery-powered.
- Meets FCC Class B and EN 55022 Class B requirements.

#### Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
19793	Float Sondes (2), Plus Extra Battery	0.4	0,18



### SeeSnake FleXmitter® Transmitter

- With a SeeSnake FleXmitter 512 Hz you can locate a camera in a line (now standard with all SeeSnake reels: Mini-SeeSnake, SeeSnake Standard and SeeSnake Self-Leveling).
- If your SeeSnake camera isn't equipped with a transmitter, you can upgrade your camera with a FleXmitter transmitter.
- Meets FCC Class A and EN 55022 Class B requirements.

#### Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
15323	SeeSnake FleXmitter in-line transmitter	0.62	0,28
15828	Mini-SeeSnake FleXmitter	1	0,045

