

## 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® II</b>                                                              | <b>NaviTrack Scout®</b>                                                             |
|-----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                         |  |  |  |  |
|                                         | 22163                                                                             | 21893                                                                             | 96967                                                                             | 19238                                                                               |
| PAGE NUMBER                             | 11.29                                                                             | 11.28                                                                             | 11.32                                                                             | 11.33                                                                               |
| Omni-Directional Mapping Display        | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                 |
| User-Defined Frequencies                | Yes - All Available                                                               | Yes up to 35 kHz                                                                  | No                                                                                | No                                                                                  |
| Number of Active Line Trace Frequencies | All up to 490 kHz                                                                 | All up to 35 kHz                                                                  | 7                                                                                 | 3                                                                                   |
| Sonde Frequencies                       | All up to 490 kHz                                                                 | All up to 35 kHz                                                                  | 7                                                                                 | 4                                                                                   |
| Passive Search                          | Omni-Seek (searches all passive bands at once)                                    | Omni-Seek (searches all passive bands at once)                                    | 50/60 Hz                                                                          | 50/60 Hz                                                                            |
| Depth                                   | Continuous                                                                        | Continuous                                                                        | Continuous                                                                        | Push Button                                                                         |
| Weight w/batteries                      | 5.1 lb.                                                                           | 3.5 lb.                                                                           | 5.1 lb.                                                                           | 3 lb.                                                                               |

**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 5W and 10W transmitters apply a strong signal making for easier locates.

|                                          | <b>SeekTech ST-33Q</b>                                                              | <b>SeekTech ST-510</b>                                                              | <b>NaviTrack</b>                                                                    | <b>SeekTech ST-305</b>                                                                | <b>Brick</b>                                                                          |
|------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                          |  |  |  |  |  |
|                                          | 26168                                                                               | 21903                                                                               | 14818                                                                               | 21898                                                                                 | 20168                                                                                 |
| PAGE NUMBER                              | 11.30                                                                               | 11.31                                                                               | 11.34                                                                               | 11.31                                                                                 | 11.34                                                                                 |
| Max Power Output                         | 5W                                                                                  | 10W                                                                                 | 10W                                                                                 | 5W                                                                                    | 5W                                                                                    |
| Digital Display                          | Yes                                                                                 | Yes                                                                                 | No                                                                                  | No                                                                                    | No                                                                                    |
| Line Trace Frequencies                   | All up to 490 kHz                                                                   | 5*                                                                                  | 6                                                                                   | 4                                                                                     | 4                                                                                     |
| Inductive Frequencies                    | 2                                                                                   | 5*                                                                                  | 6                                                                                   | 3                                                                                     | 4                                                                                     |
| Simultaneous Transmit 2 Line Frequencies | No                                                                                  | No                                                                                  | No                                                                                  | Yes                                                                                   | Yes                                                                                   |
| Weight w/batteries                       | 11.1 lb.                                                                            | 9 lb.                                                                               | 9 lb.                                                                               | 2.5 lb.                                                                               | 2.5 lb.                                                                               |

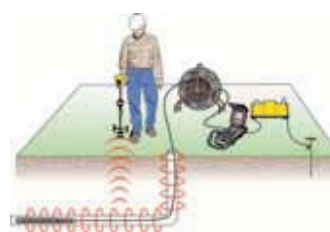
\* The ST-510 Transmitter can also be set to frequencies used by other manufacturers' equipment.



Find sondes/beacons.



Direct connect to utility lines.



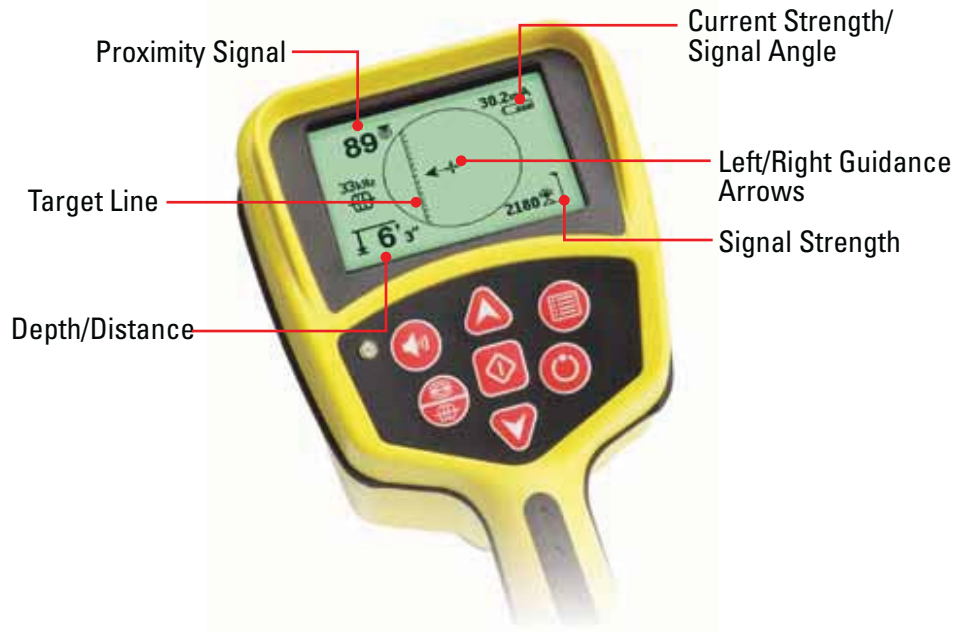
Find plastic pipe with integral line trace.



Induce a signal to locate utilities.

# 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 490,000 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 35 K                  | Yes – All Available             | 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                           |
| Simultaneous (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.

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).



| Catalog No. | Description                 | Weight |     |
|-------------|-----------------------------|--------|-----|
|             |                             | lb.    | kg  |
| 21893       | SeekTech SR-20 Line Locator | 3.5    | 1,6 |

# SeekTech® SR-60 Locator



For the fastest, easiest, most versatile receiver available.

**Versatility**

- Can trace any frequency from 10 Hz to 490,000 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, 200 kHz, 262 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 490,000 Hz.*

**Standard Equipment**

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

| Catalog No. | Description                 | Weight |     |
|-------------|-----------------------------|--------|-----|
|             |                             | lb.    | kg  |
| 22163       | SeekTech SR-60 Line Locator | 5.1    | 2,3 |

## 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

|                                          | <br><b>ST-33Q</b> | <br><b>ST-510</b> | <br><b>ST-305</b> |
|------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Direct Connect Frequencies               | All                                                                                                | 5**                                                                                                | 4                                                                                                    |
| Inductive Frequencies                    | 2                                                                                                  | 4**                                                                                                | 4                                                                                                    |
| 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.

\*\*Plus competitive frequencies.



### 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 than the competition onto a target line.
- The most versatile transmitter available with any direct connect frequency between 10 Hz and 490 kHz.

#### Frequencies:

- Direct Connect (factory set): 128 Hz, 1 kHz, 8 kHz, 33 kHz, 93 kHz, 262 kHz.
- Direct Connect (user defined): 10 Hz – 490 kHz.
- Induction: 8 kHz, 33 kHz.

| Catalog No. | Description                           | Weight |     |
|-------------|---------------------------------------|--------|-----|
|             |                                       | lb.    | kg  |
| 26168       | 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' lead wires with heavy duty clips.
- Compatible with competitor's equipment.

### Frequencies:

- Direct Connect: 128 Hz, 1 kHz, 8 kHz, 33 kHz, 262 kHz.
- Induction: 1 kHz, 8 kHz, 33 kHz, 262 kHz.
- Competitor Frequencies: available in both direct connect and induction.

| Catalog No. | Description                            | Weight |     |
|-------------|----------------------------------------|--------|-----|
|             |                                        | lb.    | kg  |
| 21903       | 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, 262 kHz.
- Induction: 1 kHz, 8 kHz, 33 kHz, 262 kHz.

| Catalog No. | Description                           | Weight |     |
|-------------|---------------------------------------|--------|-----|
|             |                                       | lb.    | kg  |
| 21898       | 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 RIDGID transmitters.

| Catalog No. | Description                        | Weight |     |
|-------------|------------------------------------|--------|-----|
|             |                                    | lb.    | kg  |
| 20973       | SeekTech 4" Inductive Signal Clamp | 2      | 0,9 |



## NaviTrack® II Locator



The NaviTrack II locator navigates you to the location of underground pipes quickly and easily. It tracks energized lines with ease.

### NaviTrack II Locates

- SeeSnake In-Line Transmitters.
- Remote Transmitters (Sondes).
- Energized Metallic Lines.

### Performance

- Approach the transmitter from any direction for faster, more accurate locates.
- Maximize the signal and the locate is complete.
- Verify the locate using the large mapping display.
- Depth measurement is continuous.
- Depths of greater than 15' can be read.

NaviTrack II locators provide unprecedented ease of use. Due to the NaviTrack II advanced technology, training time is greatly reduced. You can learn to locate with a NaviTrack II unit in minutes.

### Specifications

- Weight ..... 5 lbs.
- Power Source ..... 4 C-cell batteries.
- Battery Life ..... Approximately 16 hours.

### Standard Frequencies

- Sonde ..... 16 Hz, 512 Hz, 640 Hz, 850 Hz, 8 kHz, 16 kHz, 33 kHz.
- Active Line Trace ..... 128 Hz, 1 kHz, 8 kHz, 33 kHz, 65 kHz, 200 kHz, 262 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 II is designed for users who want an easy-to-use tool to locate both remote transmitters and energized lines on a regular basis.



Kit shown without optional accessories

| Catalog No. | Description           | Weight |     |
|-------------|-----------------------|--------|-----|
|             |                       | lb.    | kg  |
| 96967       | NaviTrack II Locator  | 5.1    | 2.3 |
| 12543       | Marker Chips and Clip | —      | —   |

Meets FCC Class A and EN 55022 Class A requirements.

### (TOOLTIP)

You can confirm the locate depth of the remote transmitter by measuring the distance between the two poles and multiplying by 0.7.

# NaviTrack Scout® Locator



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

**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, ensuring an accurate locate.

**Automatic Depth**

Depth is automatically calculated and displayed when over the target.

**Specifications**

- Weight .....3 lbs.
- Power Source.....4 C-cell batteries.
- Battery Life .....Approximately 24 hours.

**Standard Frequencies**

- Sonde.....16 Hz, 512 Hz, 640 Hz, 874 Hz and 33 kHz.
- Line Trace.....128 Hz, 1 kHz, 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.



| Catalog No. | Description             | Weight |     |
|-------------|-------------------------|--------|-----|
|             |                         | lb.    | kg  |
| 19238       | NaviTrack Scout Locator | 3      | 1,4 |
| 12543       | Marker Chips and Clip   | —      | —   |

Meets FCC Class B and EN 55022 Class B requirements.



## NaviTrack® Transmitters



### NaviTrack Line Transmitter – 10 Watt

- For tracing buried cable, TV lines, phone, water, gas and other metallic lines that can carry an electromagnetic signal.
- Fully variable 10 Watts of power output.
- Two 25' coil connectors.
- Conductive ground rod.

#### Frequencies

- 128 Hz, 1 kHz, 8 kHz, 33 kHz – 10 Watt output power.
- 200 kHz, 262 kHz – 1 Watt output power.

| Catalog No. | Description                | Weight |     |
|-------------|----------------------------|--------|-----|
|             |                            | lb.    | kg  |
| 14818       | NaviTrack Line Transmitter | 9      | 4,0 |



### NaviTrack Brick – 5 Watt

- For tracing buried cable, TV lines, phone lines and other metallic lines that can carry an electromagnetic signal.
- Fully variable 5 Watts of power output.
- Lightweight, easy to carry.
- Conductive ground rod.
- Two 10' connectors.

#### Frequencies

- 1 kHz, 8 kHz, 33 kHz, 262 kHz.

| Catalog No. | Description                 | Weight |     |
|-------------|-----------------------------|--------|-----|
|             |                             | lb.    | kg  |
| 20168       | NaviTrack Brick Transmitter | 2      | 0,9 |

### Comparison of Features

|                                          | <br>NaviTrack Line Transmitter | <br>Brick |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Direct Connect Frequencies               | 6                                                                                                                   | 4                                                                                              |
| Inductive Frequencies                    | 6                                                                                                                   | 4                                                                                              |
| Simultaneous Transmit 2 Line Frequencies | No                                                                                                                  | No                                                                                             |
| Automatic Impedance Matching             | Yes                                                                                                                 | Yes                                                                                            |
| Digital Output Level Display             | Yes                                                                                                                 | No                                                                                             |
| Max Power Output                         | 10W                                                                                                                 | 5W                                                                                             |
| Variable Power Setting                   | Fully Adjustable                                                                                                    | Low, Medium, High                                                                              |
| Power Source                             | 8 D-Cell Batteries                                                                                                  | 6 C-Cell Batteries                                                                             |
| Battery Check                            | Push Button                                                                                                         | At Start-up                                                                                    |
| Weight (without batteries)               | 9 lb. / 4.1 kg                                                                                                      | 2 lb. / 0.9 kg                                                                                 |
| FCC & EN 55022 Requirement               | Class B                                                                                                             | Class A                                                                                        |



## Inductive Signal Clamp

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

| Catalog No. | Description                         | Weight |     |
|-------------|-------------------------------------|--------|-----|
|             |                                     | lb.    | kg  |
| 20503       | NaviTrack 4" Inductive Signal Clamp | 2      | 0,9 |



## 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.

| Catalog No. | Description                                      | Weight |      |
|-------------|--------------------------------------------------|--------|------|
|             |                                                  | lb.    | kg   |
| 16728       | Remote Transmitter, 512 – AAA                    | 0.4    | 0,18 |
| 19263       | Adapter for 5/8" & 3/4" Drum Machine Cables      | -      | -    |
| 19268       | Adapter for 7/8" Sec. & 1/2" Drum Machine Cables | -      | -    |
| 19273       | Adapter for 5/8" Sec. & 3/8" Drum Machine Cables | -      | -    |
| 19258       | Adapter for 1/4" 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.

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



## SeeSnake FleXmitter® Transmitter

- With a SeeSnake FleXmitter you can locate a camera in a line (now standard with all SeeSnake reels).
- 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.

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