Diagnostics, Inspection & Locating

RIDGID® diagostics offers products that set the standard in ruggedness and durability with the technology needed to finish a job. These products include:

- RIDGID SeeSnake® video inspection systems that set the standard for reliability and maneuverability.
- The NaviTrack Scout® locator is the easiest to learn and use. Ideal for locating sondes.
- RIDGID hand-held inspection cameras diagnose and solve problems in tight spaces.
- RIDGID hand-held diagnostic equipment provides simple, quick and accurate readings.

Drain & Sewer Video Inspection	Pipe Diameter		Cable Length		Page No.
	in.	mm	feet	m	
Mini-SeeSnake	1½ - 8	40 - 200	100 / 200	30 / 61	11.6
SeeSnake	2 - 12	50 - 300	200 / 325	61 / 99	11.6
SeeSnake Compact	1½ - 6	40 - 150	100	30	11.7
SeeSnake microDrain™	1¼ - 3 / 4*	32 - 75 / 100*	30 / 65	10 / 20	11.8
SeeSnake microReel™	1½ - 4 / 5*	40 - 100 / 125*	100	30	11.9
SeeSnake nanoReel	¾ - 2	20 - 50	85	25	11.10
Monitors & Recorders	–	–	–	–	11.11

* Smaller capacity is valid when used with a microEXPLORER or micro CA-300, the larger capacity when used with a SeeSnake monitor.

Digital Interfaces	Page No.
Laptop Interface	11.14
SeeSnake HQ™ Digital Inspection Software	11.15

Hand-Held Video Inspection	Weight		Cable Length		Camera Diameter		Page No.
	lbs.	kg	feet	m	in.	mm	
micro CA-25	1.5	0,68	3	0,9	0.7	17	11.17
micro CA-100	1.7	0,76	3 - 30	0,9 - 9	0.7	17	11.18
micro CA-300	5.5	2,5	3 - 30	0,9 - 9	0.7	17	11.19

Hand-Held Diagnostics	Weight		Page No.
	lbs.	kg	
micro IR-100 Non-Contact Infrared Thermometer	0.5	0,2	11.21
micro CD-100 Combustible Gas Detector	1.0	0,45	11.22
micro LM-100 Laser Distance Meter	0.5	0,2	11.23

Utility Locating	Weight		No. of Standard Frequencies			Page No.
	lbs.	kg	Passive	LineTrace	Sonde	
SeekTech® SR-20	3.5	1,6	7	4	7	11.26
SeekTech SR-60	5.1	2,3	7	6	7	11.27
Transmitters	–	–	–	–	–	11.28

Plumbing Locating	Weight		No. of Standard Frequencies			Page No.
	lbs.	kg	Passive	LineTrace	Sonde	
NaviTrack® Scout	3	1,4	2	3	4	11.30
Transmitters	–	–	–	–	–	11.31

RIDGID

DIAGNOSTICS, INSPECTION & LOCATING

RIDGID® tools are profit machines. Each one gives you the easy-to-use features needed to get the job done right and quickly to increase job profitability. You can depend on the high quality they provide for long service life to optimize your investment. You can also depend on RIDGID to offer a wide selection of complementary choices and options to help your business attract new customers and keep old ones to grow your business volume.

From our popular line of SeeSnake® video inspection systems and digital visualization tools, SeekTech® and NaviTrack® utility and plumbing locators, and hand-held diagnostic tools – we offer the tools to help you increase revenues. See it for yourself.

See It

Video Inspection Equipment

No matter what you need to see into, around or behind, there is a RIDGID inspection system available. With a wide selection of cameras, push cables, reels and monitors, there is a system that meets your needs. Each one is easy to use and durable – traits that you have come to expect from RIDGID.

See More Starting on Page 11.6

Record & Share It

Digital Recording, Storing and Sharing

Recording and sharing inspection videos to streamline record keeping, communication with customers and collaboration has never been easier. Now you can view, store and share inspection videos on DVD, SD card, USB stick, on a laptop, or on the Internet. More ways that RIDGID helps increase profitability, professionalism and efficiency.

See More Starting on Page 11.11

Digitally Manage It

Hardware and Software Digital Tools

A laptop interface for your SeeSnake inspection system, and powerful and full-function inspection software are all available to increase productivity and profitability.

See More Starting on Page 11.14

Diagnose It

Hand-Held Measurement Tools

You can depend on RIDGID diagnostic tools to provide the features and ease-of-use you need to execute a variety of measurement jobs. Each one includes easy to read LCD backlit displays that are designed to be easy to see indoors and outdoors.

See More Starting on Page 11.21

Find It

Locating Equipment

A full line of RIDGID locators and transmitters are available to meet your needs for fast and accurate identification of buried electric, cable, water, gas, oil, telecom, drain and sewer utilities. Each one is easy to use, offers the flexibility to meet various needs and is an ideal complement to RIDGID video inspection equipment.

See More Starting on Page 11.24

RIDGID

Selection Overview

SeeSnake® Reel and Camera Selection

For inspecting lines ¾" to 12" (20 mm to 300 mm) in diameter, there is no better choice than a SeeSnake cable reel and camera system. Each one offers ease-of-use, application-matched features and unmatched durability and longevity.

	SeeSnake		Mini-SeeSnake	SeeSnake Compact	SeeSnake microReel™ L100/L100C	SeeSnake microDrain™ D30/D65S	SeeSnake nanoReel N85S
	Standard	Self-Leveling					
Applications	Industrial	Industrial	Industrial	Main Drain Lines	Lateral Drain Lines	Toilets / Sinks / Lines	HVAC/Utilities
PAGE NUMBER	11.6	11.6	11.6	11.7	11.9	11.8	11.10
Line Capacity	2" - 12" 50 - 300 mm	2" - 12" 50 - 300 mm	1½" - 8" 40 to 200 mm	1½" - 6" 40 to 150 mm	1½" - 4"/ 5" 40 - 100 / 125 mm*	1¼" - 3"/ 4" 32 - 75 / 100 mm*	¾" - 2" 20 - 50 mm
Maximum Run	325' / 99 m	325' / 99 m	200' / 61 m	100' / 30 m	100' / 30 m	33' / 10 m or 65' / 20 m	85' / 25 m
Sonde Transmitter	512 Hz	512 Hz	512 Hz	512 Hz	512 Hz	Optional 512 Hz	512 Hz
Distance Measurement	Built-In Counter	Built-In Counter	Built-In Counter	Built-In Counter	Optional	–	–
MECHANICAL							
Weight (Excl Monitor)	53 lbs. / 19,5 kg	53 lbs. / 19,5 kg	24.5 lbs. / 11,1 kg (reel)	13 lbs. / 5,9 kg (reel)	10.3 lbs. / 4,7 kg	8.6 lbs. / 3,9 kg or 9.8 lbs. / 4,4 kg	9.5 lbs. / 4,1 kg
Reel Frame Diameter	32" / 81 cm	32" / 81 cm	20" / 51 cm	16" / 40 cm	12.75" / 32 cm	12.75" / 32 cm	12.75" / 32 cm
Camera Diameter	1.365" / 35 mm	1.365" / 35 mm	1.18" / 30 mm	1.18" / 30 mm	.98" / 25 mm	.87" / 22 mm	.61" / 15,5 mm
Camera Length	1.68" / 42 mm	1.94" / 48 mm	1.68" / 42 mm	1.68" / 42 mm	1.17" / 37 mm	1" / 26 mm	.88" / 22,5 mm
Push Cable Diameter	.44" / 11 mm	.44" / 11 mm	.31" / 8 mm	.26" / 6,6 mm	.26" / 6,6 mm	.33" / 8,3 mm	.25" / 6,3 mm
ENVIRONMENTAL							
Operating Temperature	-4˚ to 104˚F -20˚ to 40˚C	-4˚ to 104˚F -20˚ to 40˚C	-4˚ to 104˚F -20˚ to 40˚C	-4˚ to 104˚F -20˚ to 40˚C	-4˚ to 104˚F -20˚ to 40˚C	-4˚ to 104˚F -20˚ to 40˚C	-4˚ to 104˚F -20˚ to 40˚C
Waterproof Depth	330' / 100 m	330' / 100 m	330' / 100 m	330' / 100 m	330' / 100 m	266' / 81 m	266' / 81 m
Video Resolution	768(H) x 494(V)	768(H) x 494(V)	768(H) x 494(V)	768(H) x 494(V)	628(H) x 586(V)	628(H) x 586(V)	628(H) x 586(V)
Number of Pixels	410K	410K	410K	410K	520K	520K	520K
Lighting	6 LEDs	6 LEDs	6 LEDs	6 LEDs	3 High Flux LEDs	3 High Flux LEDs	3 High Flux LEDs

* Smaller capacity is valid when used with a microEXPLORER or micro CA-300, the larger capacity when used with a SeeSnake monitor.

Monitoring and Recording Selection

Innovation describes the line of RIDGID monitors and recorders. For example, the micro CA-300 is a full-function monitor and recording tool for SeeSnake microDrain and microReel reels, yet it can be used with a cable-mounted camera to inspect areas as small as ¾" (20 mm).

	SeeSnake MINIPak	CS10	CS1000	micro CA-300
PAGE NUMBER	11.11	11.12	11.13	11.19
Recording Capability	View Only*	Digital Video / Images	Digital Video / Images	Digital Video / Images
Screen Size	5.7" LCD	12.1" LCD	12.1" LCD	3.5" LCD
Screen Type	LCD	LCD	LCD	LCD
Battery	18 V LI	1 or 2 18 V LI	1 or 2 18 V LI	3.7 V LI
Battery Runtime	5 hrs	4 hrs (2 batteries)	3,5 hrs (2 batteries)	4 hrs
Integrated Line Trace	Yes	Yes	Yes	–
Sonde Control 512Hz	Push Button	Push Button	Push Button	Yes
Lighting Controls	10 Level Digital	10 Level Digital	10 Level Digital	4 Level Digital
Screen Operating Range	-4˚F to 158˚F -20˚ to 70˚C	14˚F to 122˚F -10˚ to 50˚C	14˚F to 122˚F -10˚ to 50˚C	32˚F to 113˚F 0˚ to 45˚C
Recorder Operating Range	–	14˚F to 122˚F	14˚F to 122˚F	32˚F to 113˚F 0˚ to 45˚C
Resolution	320 x 240	640 x 480	640 x 480	320 x 240

* Recording accessory available. See page 11.19

RIDGID®

	SeeSnake Digital Adaptor	SeeSnake LT1000/LT1000M Laptop Interface
PAGE NUMBER	11.20	11.14
Recording Capability	Digital Video / Images	Digital/DVD
File Formats	MJPEG / JPEG	Multi-Format
Power Source	micro CA-300	18 V LI
Battery Runtime	1 hr	5 hrs
Integrated Line Trace	No	Yes
Internet Accessibility of Video and Photos	No	No

Recording, Interfacing, Archiving and Collaboration Selection

Would you like to upgrade an existing SeeSnake® monitor to digital recording? Or, transfer recordings to a laptop to burn DVDs, email images and video or store and share these files?

Common Video Inspection Configurations

STEP 1: PICK YOUR REEL

Standard SeeSnake Lines 2" (50 mm) - 12" (300 mm) / 325' (99 m) Length	Mini-SeeSnake Lines 1.5" (40 mm) - 8" (200 mm) / 200' (61 m) Length	microReel Lines 1.5" (40 mm) - 5" (125 mm) / 100' (30 m) Length	microDrain Lines 1" (30 mm) - 4" (100 mm) / 65' (20 m) Length
70592 Colour 200' (61 m) 13993 Colour Self-Leveling 200' (61 m) 14003 Colour Self-Leveling 325' (99 m)	83607 Colour 100' (30 m) 83617 Colour 200' (61 m) 24908 Colour Self-Leveling 100' (30 m)	35213 Sonde, Counter, SeeSnake Version 35218 Sonde, Counter, micro CA-300 Handheld Version	37513 Sonde, SeeSnake Monitor Version 37518 Sonde, micro CA-300 Handheld Version

STEP 2: PICK YOUR MONITOR

SeeSnake MINIPak 5.7" LCD w/Video Out 18 V Battery Power	micro CA-300 Handheld Digital Recording & Monitoring (microDrain & microReel only)	CS1000 12.1" LCD, Digital Video/Images	CS10 12.1" LCD, Digital Video/Images	LT1000 Laptop Interface Use Your Laptop to Monitor, Record & Report
32953 MINIPak with Battery & Charger	40613 with Battery & Charger	33063 CS1000 QWERTY with Battery & Charger	39343 CS10 with 2 Batteries & Charger	35988 LT1000 or 36668 LT1000M with Battery & Charger

RIDGID

RIDGID® SeeSnake® Video Inspection Systems
1½" to 8" (40 - 200 mm) Lines up to 200' (61 m)
2" to 12" (50 - 300 mm) Lines up to 325' (99 m)

RIDGID SeeSnake video inspection systems offer unmatched reliability and performance in a ruggedized package. Each system offers:

• 100% hardened stainless steel camera head spring assembly for optimum durability.

• Rugged, high-intensity lights for exceptional viewing and long life.

• Flexible transmitters make locating easy and are compatible with RIDGID locators.

• Can be used with any SeeSnake monitor or recorder.

Three Choices to Meet Your Needs
Mini-SeeSnake
• 1½" to 8" (40 - 200 mm) Lines up to 200' (61 m).

• Ideal for where portability and maneuverability are crucial: multi-story buildings, rooftops, confined areas, etc.

• Also available with a 35 mm Self-Leveling camera head.

SeeSnake
• 2" to 12" (50 - 300 mm) Lines up to 325' (99 m).

• Wide pipe diameter capacity range makes this system ideal for a wide range of inspection needs.

SeeSnake Self-Leveling Camera
• Same features and specifications as the SeeSnake.

• Includes an always upright, self-leveling camera design.

• Also available in combination with a Mini-SeeSnake reel.

Ball Guide

Spanner Wrench

Ordering Information

Catalog No. 230V	Description	Weight lb.	kg
70592	SeeSnake 200' (61 m) Colour Reel	43	19,5
70597	SeeSnake 325' (99 m) Colour Reel	53	24,0
13993	SeeSnake 200' (61 m) Self-Leveling Colour Reel	43	19,5
14003	SeeSnake 325' (99 m) Self-Leveling Colour Reel	53	24,0
83607	SeeSnake Mini 100' (30 m) Colour reel	19.8	9
83617	SeeSnake Mini 200' (61 m) Colour Reel	26.4	12
24908	SeeSnake Mini 100' (30 m) Self-Leveling Colour Reel	22.4	10,2

SeeSnake and Mini SeeSnake Reel Accessories

Description	Self-Level & Standard SeeSnake Accessories	Mini-SeeSnake Accessories
Colour Self-Leveling Camera Head – PAL (230V)	14033	–
Colour Camera Head – PAL (230V)	14128	14133
SeeSnake Flexible In-Line Transmitter	15323	15828
Colour Spanner Wrench	17563	17558
SeeSnake 3" (75 mm) Centering Star Guides, Pkg of 20	64497	67312
SeeSnake 6" (150 mm) Centering Star Guides, Pkg of 10	64502	–
100' (30 m) Mini SeeSnake Push Cable Assembly	–	67322
200' (61 m) SeeSnake Push Cable Assembly	64607	67327
325' (99 m) Standard SeeSnake Push Cable Assembly	64612	–
SeeSnake Interconnect Cord – 33/10' (10 m/3 m)	64627	67307
SeeSnake Guide Hoop, Pkg of 4	93387	–
SeeSnake 3" (75 mm) Roller Dolly	97832	–
SeeSnake Ball Guides Pkg of 10	97852	–
Colour Mini Ball Guides, Pkg of 6	–	97462
Mini Guide Hoop, Pkg of 4	–	93392
Count Plus Cable Counter	31753	31753

SeeSnake® Compact Video Inspection System
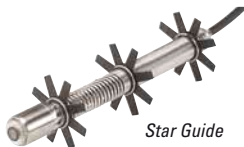**1½" to 6" (40 - 150 mm) Lines up to 100' (30 m)**
Passes 90° bends in most 50 mm lines

The SeeSnake Compact system offers fast setup for quick inspections. Its ultra portability makes this system an excellent choice.

Standard Equipment
Power Source:
- Battery port for use with optional 18 V battery.
- AC/DC operation.

MINIPak Monitor System:
- High-resolution monitor.
- Push button controls for sonde, power, lights, flipscreen and zeroing the counter.
- Splash-resistant case with built in sunshade.
- Video Out jack.
- Integrated Line Tracing – Allows tracing the reel push cable with a RIDGID® locator (requires a RIDGID transmitter).

Camera System:
- Scratch-resistant, debris-shedding, flush-mounted sapphire lens.
- Integrated transmitter.
- Durable stainless steel camera head assembly and tapered spring assembly.

Reel:
- 100' (30 m) of push cable.
- Debris-capturing, rotating drum with mercury-free slip ring.
- Counter to display distance on monitor in feet and inches (decimeters and centimeters).

Ball Guide

Spanner Wrench

Star Guide

Ordering Information

Catalog No.	Description	Weight	
230V		**lb.**	**kg**
32948	Colour Compact System w/ Battery & Charger	20.9	9,5
32753	Colour Compact System	16.9	7,7
32683	Compact Reel Only	13	5,9

SeeSnake Compact Accessories

Catalog No.	Description	Weight	
		lb.	**kg**
14133	Colour Camera Head - PAL (230V)	0.2	0,1
15828	SeeSnake Flexible In-Line Transmitter	0.2	0,1
20193	100' (30 m) Colour Compact Push Cable	8.2	3,7
67307	SeeSnake Interconnect Cord 10' (3 m)	1.1	0,5
67312	Mini Center Star Guides, Pkg of 20	0.7	0,3
97462	Colour Mini Ball guides, Pkg of 6	0.4	0,2
93392	Mini Guide Hoop, Pkg of 4	0.2	0,1
17558	Colour Spanner Wrench	0.2	0,1
24703	Kickstand for SeeSnake Compact	0.2	0,1

Batteries and Chargers

Catalog No.	Description	Weight	
230V		**lb.**	**kg**
28218	18 V 2.2 Ah LI Battery	1.3	0,6
32073	18 V LI Battery Charger	2.4	1,1
32713	1 Battery and Charger Kit	3.7	1,7
32693	2 Battery and Charger Kit	5	2,3

RIDGID®

SeeSnake® microDrain™ Video Inspection System

1¼" to 3 / 4" (32 - 75 / 100 mm)* lines up to 65' (20 m)
Passes multiple 90° bends in most 40 mm drain lines
* 3" (75 mm) when used with a microEXPLORER or micro CA-300. 4" (100 mm) when used with a SeeSnake monitor.

NEW

SeeSnake microDrain video inspection system provides small size and maneuverability for small diameter and tight-turn radius inspections.

- Lightweight and compact design is one-half the size of popular inspection systems, easily stowed in a truck and carried onto the jobsite.
- Multi-monitor compatibility with existing SeeSnake monitors, or the micro CA-300 digital inspection camera.
- Durable and reliable construction with hardened stainless steel camera head spring assembly for a long service life as well as long lasting high-intensity lights for exceptional viewing.

SeeSnake microDrain
D30 & D65S System

Features
Ideal for inspections with tight turns such as toilet traps and P-traps.

Specifications
Camera Head	0.86" (22 mm).
Cable Length	30' (10 m), 65' (20 m).
Cable Diameter	0.33" (8,3 mm).
Line Capacity	1¼" to 3 / 4" (32 - 75/100 mm).
Weight	8.6 lbs. (3,9 kg), 9.8 lbs. (4,4 kg).
Length	13.25" (33,7 cm).
Width	6.6" (16,8 cm).
Height	14.2" (36,1 cm).
Resolution	628 x 586.
Ball Guide	2 Included.
Sonde	Standard with 20 m microDrain, 512 Hz.
Counter	Not Available.

Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
30' (10 m) microDrain			
33133	microDrain D30 Reel (SeeSnake)	7.3	3,31
33138	microDrain D30 Reel (CA-300)	7.3	3,31
40783	microDrain D30/CA-300 System	8.6	3,91
65' (20 m) microDrain w/Sonde			
37513	microDrain D65S Reel (SeeSnake)	9.8	4,4
37518	microDrain D65S Reel (CA-300)	9.8	4,4
40793	microDrain D65S/CA-300 System	11.1	5,0
Accessories			
33108	microDrain Interconnect Cable for SeeSnake Monitors	0.65	0,31
33113	microDrain Interconnect Cable for CA-300	0.65	0,31
35118	microDrain D30 Drum Only	0.65	0,31
37528	microDrain D65S Drum Only	5.3	2,4

(SeeSnake) = the reel containing the pushcable and camera head with a connection cable for a SeeSnake monitor.

(CA-300) = the reel containing the pushcable and camera head with a connection cable for a CA-300 monitor.

RIDGID®

SeeSnake® microReel™ Video Inspection System
1½" to 4 / 5" (40 - 100 / 125 mm)* lines up to 100' (30 m)
Passes 90° bends in most 50 mm lines
* 4" (100 mm) when used with a microEXPLORER or micro CA-300. 5" (125 mm) when used with a SeeSnake monitor.

NEW

SeeSnake microReel video inspection system provides small size and maneuverability for small diameter and tight-turn radius inspections.

- Lightweight and compact design is one-half the size of popular inspection systems, easily stowed in a truck and carried onto the jobsite.
- Multi-monitor compatibility with existing SeeSnake monitors, or the CA-300 digital inspection camera.
- Durable and reliable construction with hardened stainless steel camera head spring assembly for a long service life as well as long lasting high-intensity lights for exceptional viewing.

SeeSnake microReel
L100 & L100C Systems

Features
Stiffer push cable than microDrain to enable line inspections up to 100' (30 m).

Specifications
Camera Head..............0.98" (25 mm).
Cable Length ....100' (30 m).
Cable Diameter ....0.27" (6,7 mm).
Line Capacity..............1½" to 4 / 5" (40 - 100 / 125 mm).
Weight........................10.3 lbs. (4,7 kg).
Length........................13.25" (33,7 cm).
Width..........................6.6" (16,8 cm).
Height........................14.2" (36,1 cm).
Resolution ....510 x 496.
Ball Guide...................2 Included.
Sonde ....512 Hz.
Counter......................Optional.

Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
100' (30 m) microReel L100 w/Sonde			
35138	microReel L100 reel (SeeSnake)	10.3	4,7
35148	microReel L100 reel (CA-300)	10.3	4,7
40803	microReel L100 reel / CA-300 System	11.6	5,3
100' (30 m) microReel L100C w/Sonde and Counter			
35213	microReel L100C reel (SeeSnake)	10.3	4,7
35218	microReel L100C reel (CA-300)*	10.3	4,7
40813	microReel L100C reel / CA-300 System*	11.6	5,3
Accessories			
33108	microReel Interconnect Cable for SeeSnake Monitor	0.65	0,31
33113	microReel Interconnect Cable for CA-300 Monitor	0.65	0,31
35228	microReel L100 Drum Only	5.5	2,5
35248	microReel L100C Drum Only	5.5	2,5

(SeeSnake) = the reel containing the pushcable and camera head with a connection cable for a SeeSnake monitor.

(CA-300) = the reel containing the pushcable and camera head with a connection cable for a CA-300 monitor.

*L100C with micro CA-300 may not have sufficient lighting for 4" cast iron and ABS.

SeeSnake® nanoReel Industrial Inspection Camera System
¾" to 2" (20 to 50 mm) Capacity up to 85' (25 m)
Passes 90° bends in most 30 mm lines

NEW

The SeeSnake nanoReel opens up new possibilities in long run small diameter inspection needs. Applications where only bore scopes could reach can now be inspected using the nanoReel. Boiler tubes, supply lines, sprinkler systems, and a wide array of specialty applications can all be inspected using the new nanoReel.

- Small diameter and tight turn radius camera allows lines up to 85' (25 m) to be inspected with tight turns in 1" (25 mm) lines. Can pass 90° bends from 30 mm onwards in many piping systems.
- Lightweight and compact unit allows for easy transport and efficient storage.
- Interchangeable drums let you change out the inner drum depending on the application. Choose from:
  - L100/L100C – 1½" to 5" (40 - 125 mm) lines with a stiffer push cable allowing you to inspect lines up to 100' (30 m).
  - D30 and D65S – Small diameter with tight turns, 1½" to 4" (40 - 100 mm) P-Traps, toilet traps, pool lines up to 65' (20 m).
  - N85S – Ultra small diameter lines ¾" to 2" (20 - 50 mm) with tight turns for specialized applications.

Specifications

Camera Head...0.62" (15,5 mm).
Cable Length ....85' (25 m).
Cable Diameter ....0.25" (6,3 mm).
Line Capacity..¾ to 2" (20 - 50 mm).
Weight...9.5 lbs. (4,1 kg).
Length...13.25" (33,7 cm).
Width...6.6" (16,8 cm).
Height...17.5" (44,5 cm).
Resolution ....510 x 496.
Ball Guide..2 Included.
Sonde ....512 Hz.
Counter...NA.

Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
40013	nanoReel N85S Reel (SeeSnake)	9.5	4,1
40003	nanoReel N85S Reel (micro CA-300)	9.5	4,1
40823	nanoReel with CA-300 system	10.8	4,7

(SeeSnake) = the reel containing the pushcable and camera head with a connection cable for a SeeSnake monitor.

(CA-300) = the reel containing the pushcable and camera head with a connection cable for a CA-300 monitor.

RIDGID®

MINPak Monitor

Features

• Lithium-Ion Battery Power – Enables 5-hours continuous operation before recharging.

• Push Button Interface – Provides easy operation of LED lights, transmitter, screen settings and system on/off functions.

• Integrated Line Tracing – Allows tracing the reel push cable with a RIDGID® locator (requires a RIDGID transmitter).

Specifications

Display..5.7" Colour LCD.
Resolution ....320 x 240.
Power Source ....RIDGID 18 V Li-Ion Battery or AC Plug.
Length..14" (35,6 cm).
Width...7.6" (19,3 cm).
Height..10" (25,4 cm).
Output..Composite Video Out.
Lighting..10 Level Adjustable LED Control.
Recording ....Optional recording accessories available.

Ordering Information

Catalog No.	Description	Weight	
230V		**lb.**	**kg**
32688	MINI*Pak* Monitor Only	3.9	1,8
32953	MINI*Pak* Monitor w/Battery and Charger	7.9	3,6

CS10 Digital Recording Monitor

NEW

The CS10 Monitor combines RIDGID® durability with the easiest to use digital recording monitor in the industry. One touch recording allows you to record snapshots and video directly to a USB stick then hand it directly to your customer.

- **USB Stick** recording lets you record digitally into a format that your customer can read on their computer.
- **12.1" Daylight Readable Display** allows you to easily monitor and record inspections in bright outdoor environments.
- **Integrated Line Tracing** Allows tracing the reel push cable with a RIDGID locator (requires a RIDGID transmitter).
- **Multi Mode Recording** lets you take snapshots, record full frame video, and record in a lean video format called Auto-log (small files).
- **Software Integrations** with SeeSnake HQ™ allow you to deliver your inspections in a wide array of formats from online to DVD.

Specifications

Weight ....13 lbs. (5,9 kg).
Length ....14.3" (36,3 cm).
Width ....11.9" (30,2 cm).
Height ....12.4" (31,5 cm).
Display ....12.1" Daylight Readable LCD.
Resolution...................................640 x 480.
Power Source..............................1 or 2 RIDGID 18 V Batteries or AC Plug.
Audio...Integrated Microphone and Speaker.
Video...AVI 20FPS - 720 x 480.
Image ....JPG - 720 x 480.
Transfer.......................................USB stick.
Software ....Includes SeeSnake HQ Software.

Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
39333	CS-10 Digital Recording Monitor	13	5,9
39343	CS-10 Monitor w/2 Batteries and Charger	15.8	7,17

RIDGID®

CS1000 Digital Recording Monitor

NEW

The CS1000 camera control unit is a purpose-built monitor that allows you to digitally record and report on your inspections in the field. With the CS1000, you have the flexibility you need to take full advantage of digital recording technology.

Features

Read Writer gives you the ability to generate and deliver a full report on-site with integrated inspection footage and descriptions.

12.1" Daylight Readable Display allows you to easily monitor inspections in bright outdoor environments.

Integrated Line Tracing allows tracing the reel push cable with a RIDGID® locator (requires a RIDGID transmitter).

Three Modes of Recording let you take digital stills, full frame video and a compressed video format called Auto-log (for smaller video files).

Integrated Keyboard for taking notes and storing information about the inspection and customer. The keyboard is available in QWERTY or AZERTY format.

SeeSnake HQ™ Software (included) allows you to deliver your reports in a wide variety of ways from online video to DVD.

- Report on and deliver inspection results with this powerful software package.
- Simply import your inspections from your CS1000 into SeeSnake HQ via USB stick.
- Edit video and images.
- Burn digital images to DVD.
- Develop detailed job reports.
- Publish, edit and share your reports.

Specifications

Weight...14.75 lbs. (6,7 kg).
Length ....14.3" (36,3 cm).
Width...11.9" (30,2 cm).
Height ....12.4" (31,5 cm).
Display ....12.1" Daylight Readable LCD.
Resolution ....640 x 480.
Power Source ....1 or 2 RIDGID 18 V Batteries or AC Plug.
Audio ....Integrated Microphone and Speakers.
Video ....AVI 20FPS - 720 x 480.
Image...JPG - 720 x 480.
Transfer ....USB stick.

Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
33058	CS1000 QWERTY digital Recording Monitor	14.75	6,7
33063	CS1000 QWERTY Monitor with 2 Batteries and 1 Charger	20.75	9,4
34873	CS1000 AZERTY Digital Recording Monitor	14.75	6,7
34918	CS1000 AZERTY Monitor with 2 Batteries and 1 Charger	20.75	9,4

RIDGID

SeeSnake® Digital Laptop Interface

**SeeSnake LT1000
Laptop Interface**

NEW

Features

The SeeSnake LT1000 Laptop Interface allows you to leverage the power and flexibility of a laptop computer with your SeeSnake Mini or Standard drain inspection cameras and reels. It lets you use a laptop computer as a camera control unit to add powerful monitoring, recording, storage and communications capabilities.

Ultimate Flexibility in recording, monitoring, and reporting. Unlock the power of your laptop to monitor, record, and communicate.

Clean Keys Control Pad allows you to keep gloved hands off the laptop keyboard while controlling camera operation and recording during an inspection.

Battery Powered Freedom lets you perform inspections regardless of availability of AC power.

Laptop Stabilization System allows you to secure and stabilize your laptop and reel to protect it in the field (full LT1000 only).

Specifications

Power .... 18 V LI Battery or AC Plug.
Outputs .... USB Video Stream, RCA Video and Audio.
Controls .... Sonde, Lights, Recording, Image Rotation, etc.

LT1000

The full LT1000 System mounts directly onto your SeeSnake Mini or Standard reel giving you a stacked and stable platform with a single cord interface.

Compatibility .... All SeeSnake Mini and Standard Reels.
Includes .... SeeSnake HQ™ Monitoring/Recording Software, Reel Mounting Kit,
6' (1,8 m) USB Cable, 4 Reel Outriggers (for stability), AC Power Cable.

LT1000M

The LT100M is a detached interface that allows you to interface with any SeeSnake reel.

Compatibility .... All SeeSnake Reels.
Includes .... SeeSnake HQ Monitoring/Recording Software, 3' (90 cm) USB Cable,
Micro Frame, AC Power Cable.

LT1000

LT1000M

Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
35978	LT1000 Laptop Interface System	6	2,7
35988	LT1000 w/Battery and Charger Kit	7.35	3,3
36658	LT1000M Laptop Interface System	4.7	2,1
36668	LT1000M w/Battery and Charger Kit	6.05	2,7

RIDGID®

SeeSnake HQ™ Digital Inspection Software

SeeSnake HQ is powerful installed software for monitoring, recording and managing digital inspection data in the field. Record and document your findings, burn DVDs and export to a USB stick.

Monitor and Record
• Use your laptop as a large screen monitoring display.
• Record videos and image directly to your hard drive.
• Record your observations and control your inspection camera using the power of a laptop.

Report
• Document your observations and create a report of your findings.
• Store details about the job including contact information, observations, recommendations and notes.
• Customize the appearance of your reports to fit your company.
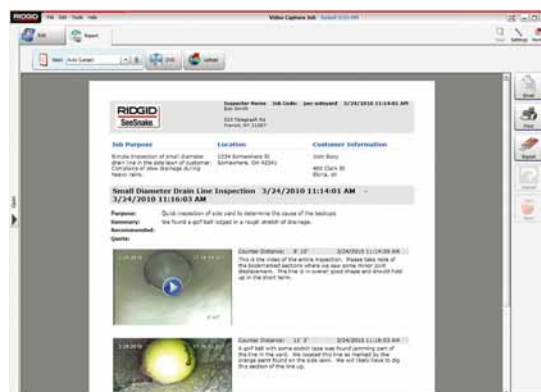
Delivery
• Burn DVDs for your customers or hand them a USB stick.

Monitor And Record Your Inspections.

Enhance And Edit Captured Footage.

Generate Detailed Reports In The Field.

RIDGID

Hand-Held Inspection Cameras

Your world is filled with spaces and components that are just out of reach or eyesight. In many cases it takes more time to locate problems than it does to actually fix them. The RIDGID® line of hand-held visual inspection cameras eliminates the guess work and reduces the amount of time required to detect and diagnose the unreachable. Whether it's a cracked heat exchanger, a blown hydraulic line, a tricky installation, or a quality assurance parts inspection, RIDGID offers a visual inspection camera to suit your needs.

All RIDGID hand held inspection cameras come equipped with a camera and light source attached to the end of a flexible 3' (90 cm) cable. This cable can be bent and twisted into the most inaccessible areas. The camera sends live images back to a high visibility digital LCD display allowing for detailed visual inspections in hard to reach spaces.

Comparison Chart	micro CA-25	micro CA-100	micro CA-300
Screen Size	2.4"	3.5"	3.5"
Camera Diameter	0.7" (17 mm)	0.7" (17 mm)	0.7" (17 mm)
Lighting	4 LEDs	4 LEDs	4 LEDs
Cable Length	3' (90 cm) – fixed	3' (90 cm) up to 30' (9 m)	3' (90 cm) up to 30' (9 m)
Waterproof	Camera & Cable	Camera & Cable	Camera & Cable
Power Source	4AA	4AA	3.7 V Li-Ion & AC Adapter 5 V, 1.5 Amp
Charger	No	No	Yes
SD Card Port	No	No	Yes, 4 GB SD incl.
Internal Memory	No	No	Yes, 235 MB
Image / Video / Audio Recording	No	No	Yes
USB Port	No	No	Yes
Video Out	Yes	Yes	Yes
Zoom	No	No	Yes
Image Rotation	Yes, 2 x 180°	Yes, 4 x 90°	Yes, 4 x 90°
Case	Hard Shell Plastic	Hard Shell Plastic	Hard Shell Plastic
Hook, Magnet & Mirror	Yes	Yes	Yes

RIDGID

micro CA-25 Inspection Camera

NEW

The new RIDGID® micro CA-25 is a compact handheld inspection camera with a fixed 17 mm imager head for basic and short-range inspection jobs.

The micro CA-25 features a 17 mm aluminium imager head with 4 ultra-bright LED lights, bringing superior image quality to its 2.4" Colour LCD Screen. It also features Video Out for transferring live images to external devices and 180° Digital Image Rotation for getting upright images. Included with the micro CA-25 in a hard shell plastic case are a hook, magnet, mirror and RCA cable.

Specifications

- Display ....2.4" Colour LCD (480 x 234 resolution).
- Camera Head ....Aluminum Construction 17 mm diameter.
- Lighting ....4 Adjustable LEDs.
- Cable Reach ....3' (90 cm) fixed.
- Image Rotation ....2 x 180°.
- Video Output ....3' (90 cm) RCA Cable (included).
- Waterproof ....Camera & Cable to 3' (90 cm).
- Power Source ....4 AA Batteries.
- Attachments ....Mirror, Hook & Magnet.
- Weight ....1.5 lbs. (0,68 kg).

Ordering Information

Catalog No.	Description	Weight	
		lb.	kg
40043	micro CA-25 Inspection Camera	1.5	0,68

micro CA-100 Inspection Camera

NEW

The new RIDGID® micro CA-100 Inspection Camera, the next evolution of the SeeSnake® micro Inspection Camera, allows you to perform more detailed visual inspections in even harder-to-reach areas. Its comfortable pistol-grip design, one-hand controls, and large screen make it easy to see into the tightest spots. The micro CA-100 comes standard with a rugged 0.7", (17 mm) anodized aluminum camera head with four super bright LEDs to see into the darkest areas. Easily rotate the active image counter-clockwise to see in any situation. With an available 6 mm camera accessory, the micro CA-100 Inspection Camera allows you to service and identify problems in more places. The RIDGID micro CA-100 Inspection Camera provides solutions whenever and wherever you need them.

Specifications

- Display................................3.5" Colour LCD (320 x 240 resolution).
- Camera Head......................Aluminum Construction 17 mm diameter.
- Lighting...............................4 Adjustable LEDs.
- Cable Reach........................3' (90 cm) expandable to 30' (9 m) w/optional extensions.
- Image Rotation ....4 x 90°.
- Video Output.......................3' (90 cm) RCA Cable (included).
- Waterproof ....Camera & Cable to 10' (3 m) when properly assembled.
- Power Source ....4 AA Batteries.
- Attachments ....Mirror, Hook & Magnet.
- Weight.................................1.7 lbs. (0,76 kg).

Catalog No.	Description	Weight	
		lb.	kg
36738	micro CA-100 Inspection Camera	1.7	0,76
37103	17 mm Replacement Imager	0.7	0,3
37098	6 mm Imager with 1 m Cable	0.24	0,1
37093	6 mm Imager with 4 m Cable	0.9	0,4
31128	Universal 3' (90 cm) Cable Extension	0.75	0,3
37113	Universal 6' (180 cm) Cable Extension	1.5	0,68

RIDGID

micro CA-300 Inspection Camera

NEW

Documentation made easy with the new RIDGID® micro CA-300 Inspection Camera, the next evolution of the microEXPLORER®. Easily record still images and videos of problems in hard-to-reach areas and save these on the internal memory (235 mb) or the included 4 GB SD-card. Comfortable pistol-grip design, large screen and rugged anodized aluminum camera head with four bright LEDs make it easy to detect and diagnose the unreachable. Get the perfect view with enhanced features like image rotation and digital zoom. Besides the replaceable 3.7 V Li-Ion battery, the micro CA-300 can also be powered with the included AC Adapter which is ideal for time consuming (drain) inspection jobs or when you simply run out of battery.

Specifications

- Display................................3.5" Colour LCD (320 x 240 resolution).
- Camera Head......................Aluminum Construction 17 mm diameter.
- Lighting................................4 Adjustable LEDs.
- Cable Reach........................3' (90 cm) expandable to 30' (9 m) w/optional extensions.
- Video Output.......................3' (90 cm) RCA Cable (included).
- Waterproof ....Camera & Cable to 10' (3 m) when properly assembled.
- Power Source......................3.7 V Li-Ion Battery / 5 V AC Adapter.
- Image/Video ....JPEG / AVI (640 x 480 resolution).
- Image Rotation ....4 x 90°.
- Digital Zoom: ....Yes.
- Internal Memory.................Yes, 235 mb.
- SD-card............................... Up to 32 GB (4 GB card included).
- Audio Recorder...................Yes, integrated.
  Speaker...............................Yes, integrated.
  Headset ....Yes, included.
- Attachments ....Mirror, Hook & Magnet.
- Weight................................1.7 lbs. (0,76 kg).

Now available for the micro CA-300 and micro CA-100: flexible 6 mm imager head with 1 meter or 4 meter cable (see page 11.20).

Catalog No.	Description	Weight	
		lb.	kg
40613	micro CA-300 Inspection Camera	5.5	2,5
37103	17 mm Replacement Imager	0.7	0,3
37098	6 mm Imager with 1 m Cable	0.24	0,1
37093	6 mm Imager with 4 m Cable	0.9	0,4
31128	Universal 3' (90 cm) Cable Extension	0.75	0,3
37113	Universal 6' (180 cm) Cable Extension	1.5	0,68
37083	micro CA-300 3.7 Li-Ion battery	0.24	0,1
37088	micro CA-300 230 V Charger	0.24	0,1
37123	micro CA-300 hook/magnet/mirror	0.24	0,1
40453	micro CA-300 Power Adapter	0.24	0,1
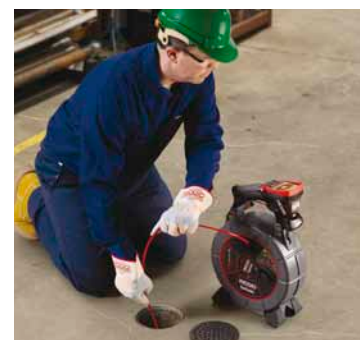
SeeSnake® Digital Adaptor

The fastest, easiest way to go digital.

With the RIDGID® microEXPLORER or micro CA-300 Digital Inspection Camera and the SeeSnake digital adaptor, you'll immediately add digital image and video recording capabilities and a secondary playback screen to your existing drain inspection monitor.

Features

• Digital recording made easy. Simply connect the SeeSnake digital adaptor into a microEXPLORER or micro CA-300 Digital inspection camera and a SeeSnake monitor and start recording.

• Broad compatibility. Use the adaptor with any SeeSnake monitor with a video-out jack.

• Quick and easy operation. With just a push of the button you can take digital still images and video.

Specifications

Video[1] ....AVI (320 x 240).
Images[1]...................JPEG (1280 x 1024).
Audio[2].....................Yes.
Connection ....Male RCA.
Length....................6' (1,8 m).

1 Requires a microEXPLORER or CA-300 camera.

2 Requires Audio Memo Accessory for microEXPLORER camera.

Catalog No.	Description	Weight	
		lb.	kg
34953	SeeSnake Digital Adaptor	0.6	0,27

6 mm Diameter Imager Head Accessory

• Nearly one-third the size of the standard camera head.

• Enables detailed inspections in very confined spaces.

• 4 LED lights provide clear images.

• Fully flexible cables for easy navigation.

• Sleek aluminum construction withstands demanding applications.

• Compatible with: RIDGID® micro CA-100, micro CA-300, microEXPLORER and SeeSnake micro.

Catalog No.	Description	Weight	
		lb.	kg
37098	6 mm Imager with 1 m Cable	0.24	0,1
37093	6 mm Imager with 4 m Cable	0.9	0,4

Optional Accessory
6 mm diameter imager head

RIDGID®

micro IR-100 Non-Contact Infrared Thermometer

The RIDGID® micro IR-100 Non-Contact Infrared Thermometer provides simple, quick and accurate surface temperature readings at the push of a button. You simply squeeze the trigger and point the ultra-sharp dual Class II lasers at the surface being measured. The micro IR-100 provides an immediate temperature measurement on a clear, easy-to-read backlit LCD display. In addition to numerous other uses, this rugged and compact instrument enables professional tradesman to diagnose heating and ventilation problems, perform preventative monitoring of electrical motors and systems, troubleshoot steam traps and quickly check fuses or circuit breakers for overheating — all without contact.

- Ultra Sharp Dual Class II Lasers easily illuminate the surface area being measured.
- Ergonomic Pistol Style Grip with rugged over molding allows you to keep a solid grip in the harshest of industrial environments.
- 20:1 Distance To Spot Ratio allows you to take more accurate measurements from long distances.
- Visual and audible alarms quickly alert you to temperatures outside of the ranges that you set.
- Bright Backlit Display which can be toggled on in poorly lit areas.
- Tripod Mount Capable for repeatable, precise temperature measurements.

Specifications
- Temperature Range ....-59º to 1472ºF (-50º to 800ºC).
- Measurement Accuracy ....-58°F ~68°F (-50°C ~20°C); ±4.5°F (2.5°C); 68°F ~1472°F (20°C ~800°C); ±1.0% or ±1.8°F (1.0°C).
- Response Time ....<150 ms.
- Temperature Display ....Current temperature, max temperature.
- Measurement Units..........................Fahrenheit, Celsius.
- Power Source ....Battery (1 x 9V).

Ordering Information

Catalog No.	Model No.	Description	Weight lb.	kg	Std. Pack
36153	micro IR-100	Non-Contact Infrared Thermometer	0.5	0,2	1

Diagnose temperature of wear parts for preventive plant maintenance

Measure efficiency of heat dissipation to reveal and locate thermal losses in flow systems

Check fuse or circuit breaker overheating, which could be caused by overloaded circuits

micro CD-100 Combustible Gas Detector

NEW

The RIDGID® micro CD-100 Combustible Gas Detector provides simple and quick readings to identify the presence of combustible gases. It is designed to detect Methane, Propane, Butane, Ethanol, Ammonia, Hydrogen and many other combustible gases. With adjustable sensitivity, even low-levels of gases can be detected in seconds.

The RIDGID micro CD-100 Gas Detector ensures proper gas line installations, checks for maintenance and repair needs, and quickly pinpoints combustible gas leaks.

• Rugged Ergonomic Design makes it comfortable to use, yet tough.

• Tri-Mode Detection™ gives the operator the flexibility to be alerted with a visual, audible or vibration alert which can be adjusted for your environment.

• Adjustable Sensitivity Settings provide precise leak locating with the touch of a button.

• 16" (40 cm) Flexible Probe allows location and detection of leak in hard-to-reach and confined spaces.

• Field Replaceable Sensor means more up-time and less time waiting for repairs.

Specifications
• Detection Range...........................0 to 6400 ppm (Methane).
• Alarm Sensitivity ....40 ppm (Methane).
• Calibration ....Automatic.
• Alarms ....Visual, Audible, Vibration.
• Power Source ....Batteries (4 x AA).

Ordering Information

Catalog No.	Model No.	Description	Weight lb.	Weight kg	Std. Pack
36163	micro CD-100	Combustible Gas Detector	1.0	0,45	1
31948	CD-100 RS	Replacement Sensor	–	–	1

Gasses Detected	Common Mixtures That Would Include Or Emit More Than One Of These Gasses
Methane	Natural Gas*
Hydrogen	Paint Thinners
Carbon Monoxide	Industrial Solvents
Propane	Dry Cleaning Fluids
Ethylene	Gasoline
Ethane	
Hexane	*Natural gas typically consists of
Iso-Butane	a high percentage of methane and
Benzene	smaller percentages of propane
Iso-Butane	and other gasses.
Ethanol	
Acetaldehyde	
Toluene	
P-Xylene	
Ammonia	
Hydrogen Sulfide	

Utility installation and service workers will find this tool invaluable

Perfect tool for contractors in plumbing and HVAC

Use the micro CD-100 to detect gasses in plant and building maintenance applications

RIDGID

micro LM-100 Laser Distance Meter

NEW

The RIDGID® micro LM-100 Laser Distance Meter provides simple, quick and accurate distance readings at the push of a button. Simply push the measurement button to turn on the ultra-sharp Class II lasers, point the device at the spot to be measured, and push the measurement button. The distance reading will appear on the easy-to-read LCD display. This rugged, compact, portable instrument enables professional tradesman to quickly determine run distances for bidding, distance of piping run, measuring trouble spots down the line, and quickly determine spacing for code compliance.

- Ultra Sharp Class II Lasers clearly highlight the point being measured.
- Exceptional Distance Range allows accurate measurements up to 164 feet (50 m).
- Adjustable Units enable you to quickly read in feet, inches or meters on the fly.
- Bright Backlit Display for use in poorly lit areas.
- Quick and Accurate calculations on the spot.
- Displays up to the last three measurements, stores the last 20 measurements.
- Rugged Over Molding allows you to keep a solid grip in the harshest of industrial environments.

Specifications
- Measurement Accuracy ....±1/16 inch, (1,5 mm).
- Range...164 feet (50 m).
- Measurement Units....................................Inches, feet, meters.
- Measurement Calculations ....Area, Volume, and Indirect measurement calculations.
- Power Source ....Batteries (2 x AAA).
- IP Rating ....IP 54.

Ordering Information

Catalog No.	Model No.	Description	Weight		Std. Pack
			lb.	kg	
36158	micro LM-100	Laser Distance Meter	0.5	0,2	1

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.
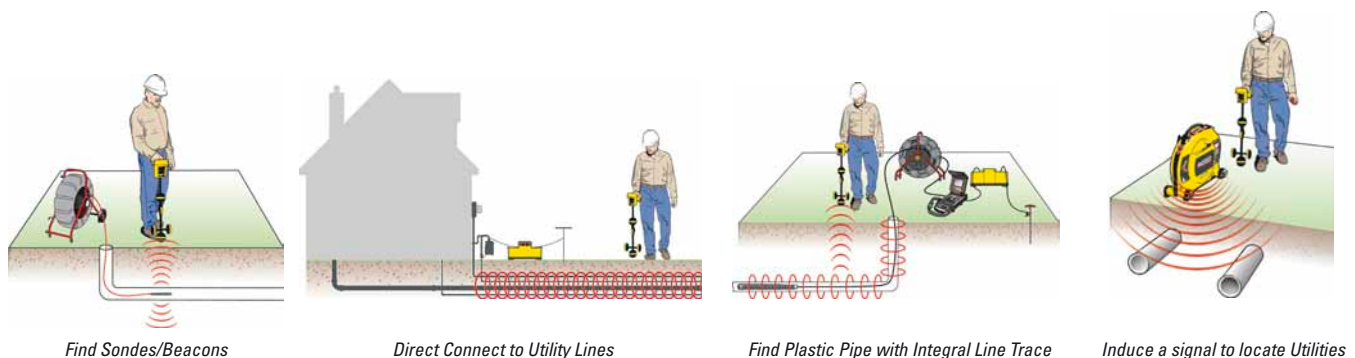
	SeekTech SR-60	SeekTech SR-20	NaviTrack Scout®
	30123	21943	19243
PAGE NUMBER	11.27	11.26	11.30
Omni-Directional Mapping Display	Yes	Yes	Yes
User Defined Frequencies	Yes up to 93 kHz	Yes up to 35 kHz	No
Number of Active Line Trace Frequencies	All up to 93 kHz	All up to 35 kHz	3
Sonde Frequencies	All 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.

	SeekTech ST-33Q	SeekTech ST-510	SeekTech ST-305
	26563	21953	21948
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.

Find Sondes/Beacons   Direct Connect to Utility Lines   Find Plastic Pipe with Integral Line Trace   Induce a signal to locate Utilities

RIDGID®

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.

Proximity Signal

Current Strength/Signal Angle

Target Line

Left/Right Guidance Arrows

Signal Strength

Depth/Distance

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

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

RIDGID®

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 RIDGID® transmitters.

Ordering Information

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

RIDGID

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.

RIDGID

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 ⅝" & ¾" (16 mm & 20 mm) Drum Machine Cables	–	–
19268	Adapter for ⅞" (22 mm) Sec. & ½" (12 mm) Drum Machine Cables	–	–
19273	Adapter for ⅝" (16 mm) Sec. & ⅜" (10 mm) Drum Machine Cables	–	–
19258	Adapter for 1¼" (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

RIDGID