DIAGNOSTICS, INSPECTION & LOCATING

RIDGID® diagostics offer products that set the benchmark for ruggedness and durability with the technology needed to finish a job. These products include:

- RIDGID SeeSnake® video inspection systems that are the standard for reliability and maneuverability.
- The RIDGID SeekTech and the NaviTrack Scout® locators that are the easiest to learn and use. Ideal for locating sondes.
- RIDGID hand-held inspection cameras that diagnose and solve problems in tight spaces.

Drain & Sewer Video Inspection	Pipe Diameter (in.)	Cable Length (ft.)	Page No.
SeeSnake Standard with TruSense™	2 - 12	325	13.8
SeeSnake rM200 Max	1½ - 8	165 to 200	13.9
SeeSnake Mini with TruSense™	1½ - 6	200	13.10
SeeSnake Compact M40 with TruSense™	1½ - 8	131.2	13.11
SeeSnake Compact C40 with TruSense™	1½ - 6	131.2	13.12
SeeSnake Compact2	1½ - 6	100	13.13
SeeSnake microReel™	1½ - 3	100	13.14
SeeSnake microDrain™	1¼ - 3	65	13.15
SeeSnake nanoReel™	1 - 4	82	13.16
Monitors & Recorders	–	–	13.17-13.20

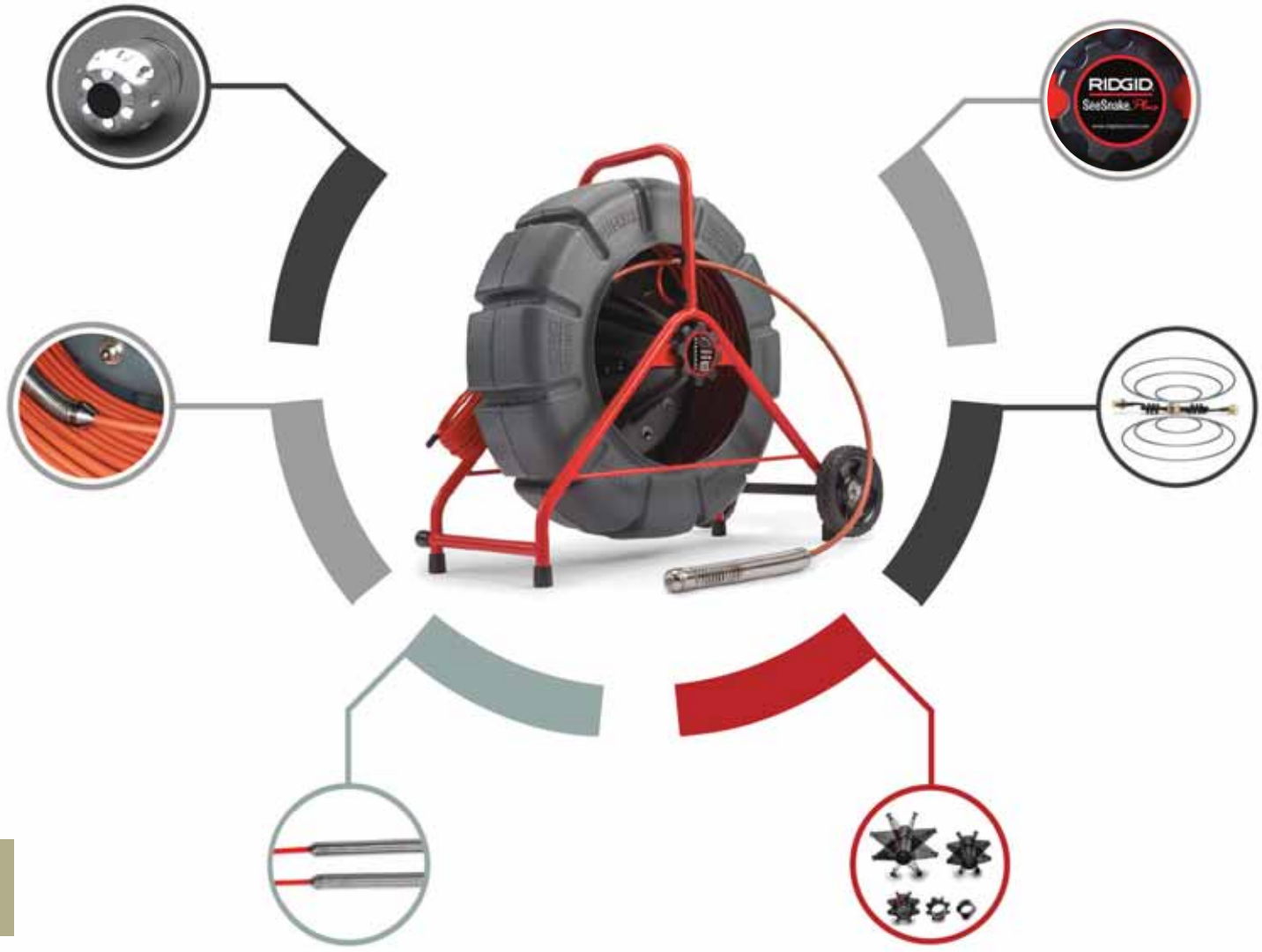
Digital Interfaces	Page No.
Software Business Tools	13.21

Hand-Held Video Inspection	Cable Length (ft.)	Camera Diameter (in.)	Page No.
micro CA-25	4	0.7	13.22
micro CA-150	3-30	0.7	13.23
micro CA-350	3-30	0.7	13.24

Locating	No. of Frequencies			Page No.
	Passive	Line Trace	Sonde	
Index/Selection	–	–	–	13.25
SeekTech® SR-60	5	8	7	13.27
SeekTech® SR-24	4	4	7	13.28
SeekTech® SR-20	5	4	7	13.29
NaviTrack Scout®	1	3	4	13.30
Transmitters	–	–	–	13.31-13.32
Accessories	–	–	–	13.32
MR-10 Magnetic Locator	–	–	–	13.33
A-Frame Fault Locator	–	–	–	13.34
Thermal Imagers				13.35-13.36

RIDGID SeeSnake®

BUILT TO PERFORM. BUILT TO LAST.



CAMERA HEAD

SeeSnake camera heads are engineered specifically for the harsh and challenging conditions associated with in-pipe applications. The custom designed lenses coupled with the auto-scaling LED light output provide the best in-pipe imagery in the industry, even when fully submerged. SeeSnake camera heads also have unmatched durability and are purposefully compact to improve their ability to turn tight corners.

PUSH CABLE

Push cables are the primary means of advancing the camera downline, which is why every SeeSnake push cable is engineered for optimal flexibility, resiliency, and stiffness needed for the intended applications of the camera system – whether it be long runs in large diameter pipes to navigating multiple 90 degree turns or P-traps in small diameter pipes.

LEADER SPRING

The Leader Spring helps to guide the camera around corners by managing the stiffness transition between the push cable, which bends, and the camera itself, which does not.

PIPE GUIDES

Pipe guides center the camera in the pipe and keep the front end of the camera cleaner by staying above the channel muck. Pipe guides can also make it easier to navigate corners.

SONDE

The sonde lets users pinpoint the location of a camera in a line from above ground. There are two type of sondes that your SeeSnake system may be equipped with. The FleXmitter is the most powerful sonde. The in camera sonde is available in lower cost systems.

CABLE BRAKE

In the SeeSnake Standard and Mini reels, the included cable brake can be adjusted to allow the push cable to pay out faster or slower depending on the application.

RIDGID SeeSnake®

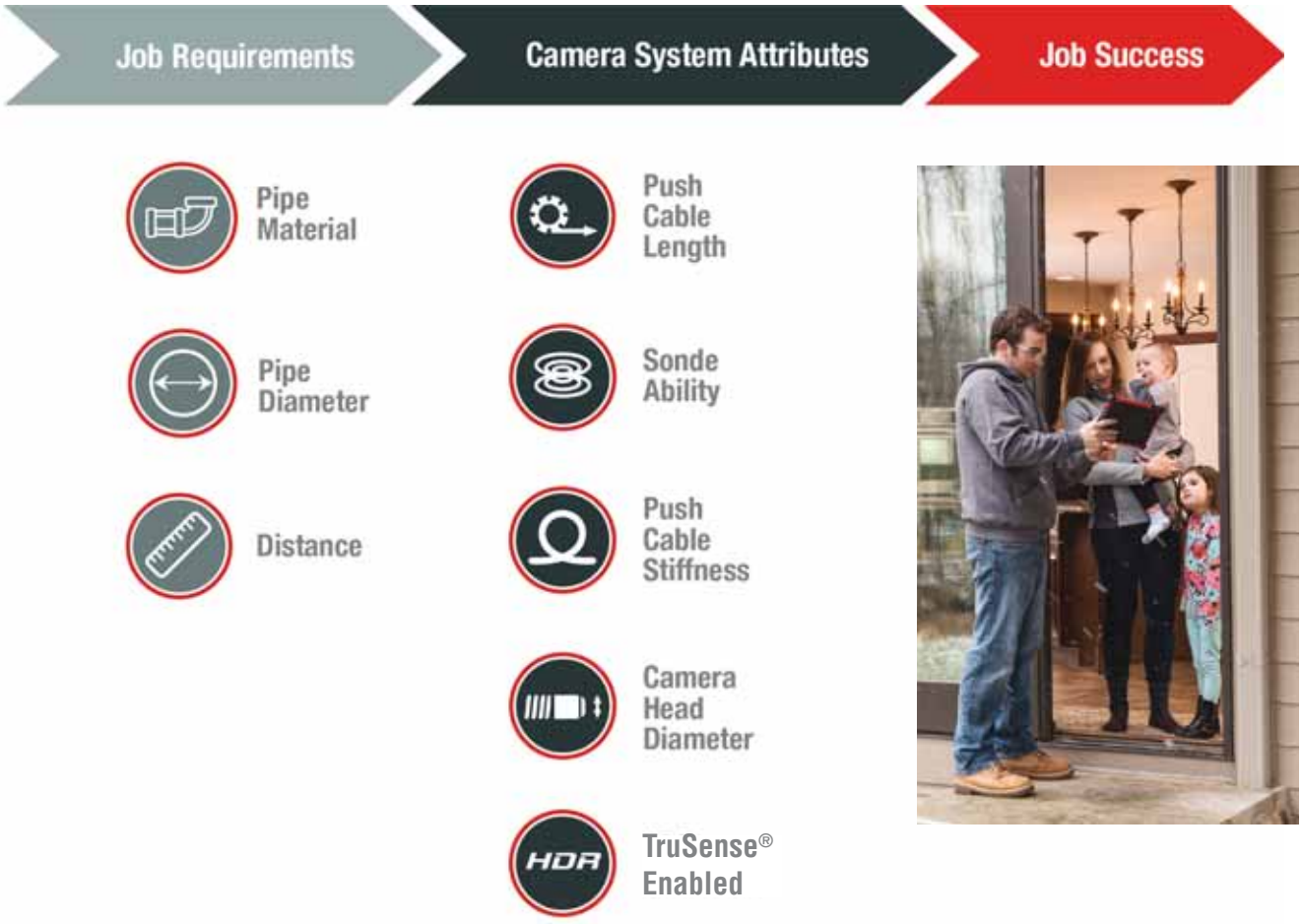
Selecting the Right Camera System for You

The best decisions are made from an abundance of information and a thorough understanding of your options. Buying a RIDGID SeeSnake camera system is no different. This brief overview section aims to give you the information you need to understand the product range and get the camera system that's right for you.

A camera's rated pipe capacity can be one of the first things customers look at when determining what system fits their needs. We define pipe capacity as the range of pipe sizes where a given SeeSnake system performs best. This means we rate where it can physically fit and where it can practically operate, both in terms of its ability to deliver a useful image that illuminates a pipe's interior and where it may be pushed to complete an inspection.

On the large end, our rating ends where we feel the cable has sufficient stiffness to push through a given diameter while supplying enough light to create a satisfactory image of the pipe's surface. A camera can readily be used beyond its rated capacity, but the experience of pushing the cable will be more difficult and may yield less satisfying results. High dynamic range (HDR) image sensors on TruSense™ cameras illuminate many pipes that are wider than the rated pipe capacity, leaving push cable stiffness to be the limiting factor for those systems. More flexible cables navigate turns more readily, but the lack of stiffness of these cables limits the distance they can be pushed, even in straight runs. Stiffer push cables will push farther in straight runs but are more quickly limited when the pipe makes multiple turns.

When choosing an inspection camera, it is important to match the expected job requirements with a camera system's attributes:



RIDGID SeeSnake® with TruSense™

NEW
COMING IN 2019

SeeSnake®
WITH
TruSense™

THE FIRST DATA-ENABLED PLUMBING DIAGNOSTIC CAMERAS

RIDGID SeeSnake cameras with TruSense technology bring powerful data capability to plumbing diagnostics. TruSense establishes a two-way datalink path between the camera head and a connected SeeSnake CSx series Wi-Fi enabled monitor. With TruSense, advanced sensors on the camera head are able to convey valuable information about the in-pipe environment.

HIGH DYNAMIC RANGE IMAGE SENSOR

SeeSnake TruSense cameras include a high dynamic range (HDR) image sensor that takes the next leap forward in diagnostic imaging. A common challenge faced by diagnostic professionals is being able to see far down the pipe as well as the image just in front of the camera's lights. An HDR image sensor expands the camera's dynamic range, allowing a greater ratio of bright and dark areas to be displayed in the same image at the same time without reducing visibility. This means fewer blown-out areas and sections of the pipe that are too dark to see, offering superior clarity and detail.

TILTSENSE™

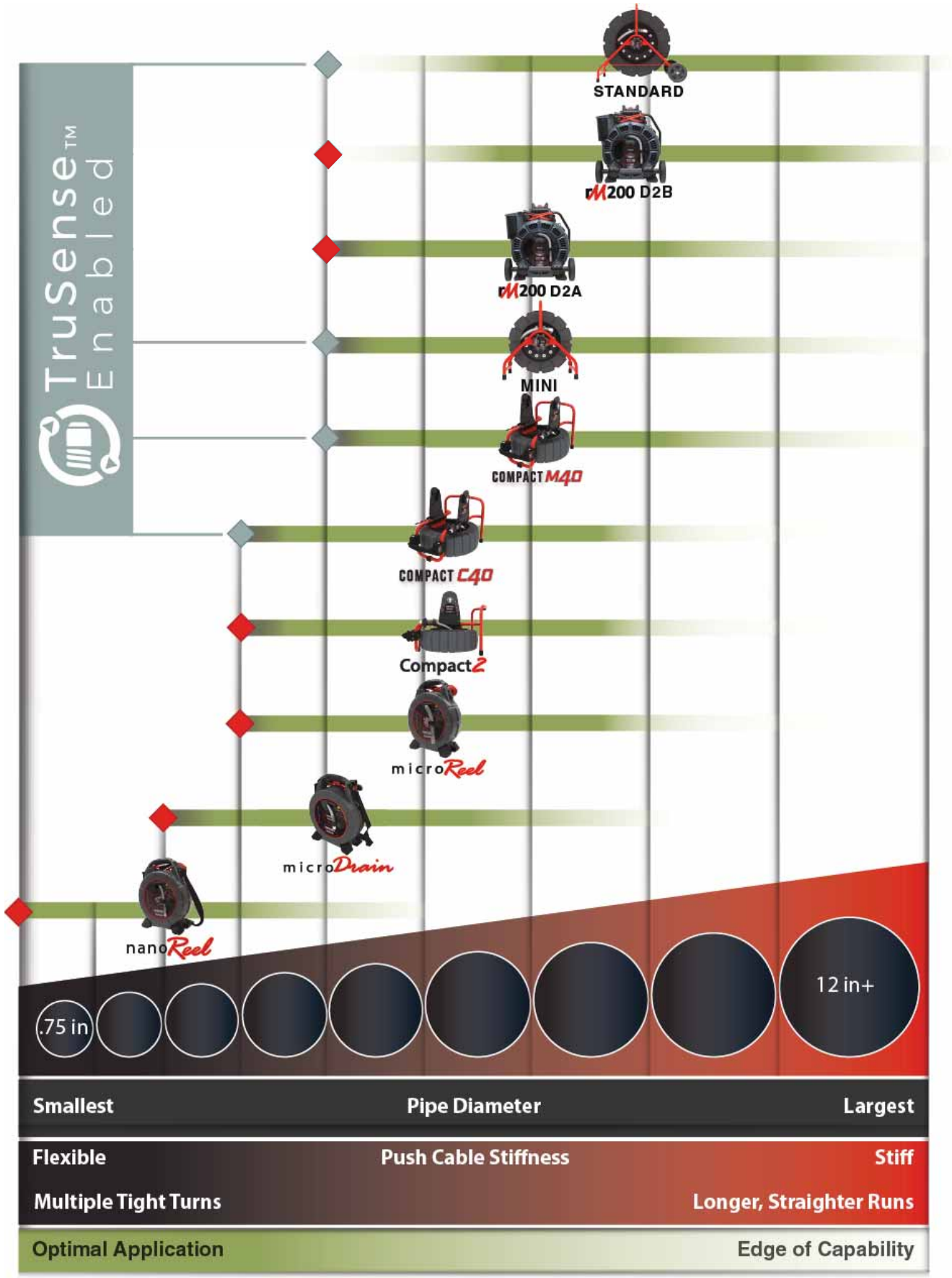
TiltSense is an on-camera inclinometer that is included on SeeSnake TruSense cameras. The inclinometer measures the camera's pitch. When connected to a SeeSnake CSx series monitor, the camera can convey the camera's degree of tilt on the monitor display – giving you a useful indicator of the pitch of the pipe.

FEATURES

- Enables two-way data communication between the camera and a CSx series monitor.
- High dynamic range image sensor provides bright, saturated images with improved detail, even in difficult lighting conditions.
- TiltSense inclinometer lets you know camera's degree of tilt inside the pipe (when used with a CSx series monitor).
- Self-leveling camera models keep the image upright.

Without HDR image sensor

With HDR image sensor


TruSense™ Enabled
STANDARD
rM200 D2B
rM200 D2A
MINI
COMPACT M40
COMPACT C40
Compact2
microReel
microDrain
nanoReel
.75 in
12 in+
Smallest
Pipe Diameter
Largest
Flexible
Push Cable Stiffness
Stiff
Multiple Tight Turns
Longer, Straighter Runs
Optimal Application
Edge of Capability

Similar Applications: System Differences

NANOREEL AND MICRODRAIN — SPECIALITY SMALL LINES, HIGH FLEXIBILITY

nanoReel

- Ultra Flex Push Cable
- 15 mm
- 82 ft
- Integrated Sonde

microDrain

- High Flex Push Cable
- 22 mm
- 65 ft
- Integrated Sonde

MICROREEL, COMPACT2, AND COMPACT C40 — MID-SIZE PIPES, MODERATE FLEXIBILITY

microReel

- Mid Flex Push Cable
- 25 mm
- 100 ft
- Integrated Sonde

Compact2

- Mid Flex Push Cable
- 25 mm Self Leveling
- 100 ft
- FleXmitter Sonde

COMPACT C40 with TruSense™

- Mid Flex Push Cable
- HDR 25 mm HDR Self -Leveling
- 140 ft
- FleXmitter Sonde
- TiltSense™

COMPACT M40, MINI, AND RM200 D2A — MID-SIZE PIPES, MODERATE/ STIFF FLEXIBILITY

rM200 D2A

- Mid-Stiff Flex Push Cable
- 25 mm Self-Leveling
- 200 ft
- FleXmitter Sonde

COMPACT M40 with TruSense™

- Mid-Stiff Flex Push Cable
- HDR 25 mm HDR Self -Leveling
- 140 ft
- FleXmitter Sonde
- TiltSense™

MINI with TruSense™

- Mid-Stiff Flex Push Cable
- HDR 30 mm HDR Self -Leveling
- 200 ft
- FleXmitter Sonde
- TiltSense™

SEESNAKE STANDARD AND RM200 D2B — LONG RUNS, LARGE PIPES, STIFFEST

rM200 D2B

- Stiff Push Cable
- 25 mm Self-Leveling
- Self-Leveling 165 ft
- FleXmitter Sonde

STANDARD with TruSense™

- Stiff Push Cable
- HDR 35 mm HDR Self-Leveling
- 200 ft/ 325 ft
- FleXmitter Sonde
- TiltSense™

SeeSnake® Reels and Cameras

NEW
COMING IN 2019

SeeSnake Standard Reel

RIDGID® SEESNAKE STANDARD WITH TRUSENSE™

The SeeSnake Standard camera reel offers unmatched reliability and performance in a ruggedized package. It is newly available with TruSense™ technology.

Best Use: The Standard has the stiffest push cable and is available in lengths up to 325' (99 m) – making it perfect for long runs, particularly in larger pipes with fewer turns.

FEATURES

- Rugged, high-intensity LEDs for exceptional viewing and long life.
- Self-leveling camera head option to keep the image upright.
- Powerful FleXmitter® sonde has long range and preserves the camera's ability to make turns.
- High dynamic range (HDR) image sensor offers bright, clear in-pipe imaging in difficult lighting conditions.
- TiltSense data sensor displays the camera's degree pitch in pipe on a connected SeeSnake CSx series monitor.
- Included pipe guides center the camera for better in-pipe imaging.

SPECIFICATIONS	SeeSnake Standard	
Rated Pipe Capacity	2" to 12" (51 mm to 305 mm)	2" to 12" (51 mm to 305 mm)
CABLE		
Max Cable Length	325' (99 m) / 200' (61 m)	325' (99 m) / 200' (61 m)
Minimum Bend Radius	4.5" (114 mm)	4.5" (114 mm)
CAMERA		
Style	Fixed TruSense	Self-Leveling TruSense
Diameter	1.4" (35 mm)	1.4" (35 mm)
Length	1.2" (31 mm)	1" (26 mm)
SONDE		
Frequency	512 Hz	512 Hz
Type	FleXmitter	FleXmitter
DISTANCE MEASUREMENT		
Type	TruSense Counter	TruSense Counter
Data Communication	Two-Way	Two-Way

Catalog No.	Description	Weight	
		lb	kg
63583	325' Standard 35 mm SL TruSense	54	24
63588	325' Standard 35 mm TruSense	54	24
63603	200' Standard 35 mm SL TruSense	42	19
63613	200' Standard 35 mm TruSense	42	19

SeeSnake Standard Camera with Roller Dolly

Accessories

Catalog No.	Description
64497	75 mm Star Guide, 35 mm Camera, Pkg of 20
97852	85 mm Pipe Guide, 35 mm Camera, Pkg of 10
64502	150 mm Pipe Guide, 35 mm Camera, Pkg of 10
93387	Guide Hoop, 35mm Camera, Pkg of 4
97832	75 mm Roller Dolly, up to 6" Pipe
17563	Spanner Wrench, 35 mm

Replacement Parts

Catalog No.	Description
63833	35 mm Self-Leveling Camera Head - TruSense
63838	35 mm Fixed Camera Head - TruSense
35103	325' SeeSnake Standard Push Cable Assembly
35108	200' SeeSnake Standard Push Cable Assembly
64627	Interconnect Cable, 33' SeeSnake Standard
48543	35 mm Self-Leveling Camera Head - NTSC
14078	35 mm Fixed Camera Head - NTSC

SeeSnake® Reels and Cameras

SeeSnake rM200

rM200 D2A Drum
Catalog No. 47548

rM200B Reel
Catalog No. 47528

RIDGID® SEESNAKE RM200 MAX

With its stow bin and transport system, the SeeSnake rM200 MAX camera system was designed with convenience and ergonomics in mind. The rM200 provides different combinations of push cable stiffness and spring flexibility.

FEATURES

- Interchangeable drum system for on-the-job flexibility.
- Ergonomic handle and wheels for easy transport to and from the job site.
- Provides a convenient docking system for SeeSnake CS6x and CS65x monitors.
- Includes pipe guides for better in-pipe imaging and a stow bin for storing tools at the job site.

D2A Best Use: The rM200 D2A configuration uses a moderately stiff 200' (61 m) push cable that provides a good compromise between cable stiffness and ability to navigate turns in the pipe.

D2B Best Use: The rM200 D2B includes 165' (50 m) of our stiffest push cable, coupled with a dual-nested spring to navigate tight corners that are not usually passable with such a stiff cable.

SPECIFICATIONS

	SeeSnake MAX rM200	
	D2A	D2B
Rated Pipe Capacity	1.5" to 8" (38 mm to 203 mm)	2" to 8" (51 mm to 203 mm)
CABLE		
Max Cable Length	200' (61 m)	165' (50 m)
Minimum Bend Radius	2.8" (70 mm)	3.5" (89 mm)
CAMERA		
Style	Self-Leveling	Self-Leveling
Diameter	1" (25 mm)	1" (25 mm)
Length	1" (25 mm)	1" (25 mm)
SONDE		
Frequency	512 Hz	512 Hz
Type	FleXmitter	FleXmitter
DISTANCE MEASUREMENT		
Type	Built-in with Video Overlay	Built-in with Video Overlay
Data Communication	Two-Way	Two-Way

Catalog No.	Description	Weight	
		lb	kg
43248	Reel, SeeSnake MAX rM200A w/D2A Drum	36.4	16.5
47548	Reel, SeeSnake MAX rM200B w/D2B Drum	39.2	17.8

Accessories

Catalog No.	Description
47793	36 mm Camera Head, 25mm Camera, Pkg of 1
35338	45 mm Pipe Guide, 25mm Camera, Pkg of 2
97462	60 mm Pipe Guide, 25mm Camera, Pkg of 6
46708	85 mm Pipe Guide, 25mm Camera, Pkg of 2
46713	125 mm Pipe Guide, 25mm Camera, Pgk of 2
17553	Spanner Wrench, 25 mm
44038	rM200 Stow Bins
47548	Drum, rM200 D2A NTSC
47538	Drum, rM200 D2B NTSC

Replacement Parts

Catalog No.	Description
43138	RM200 Camera
43863	200' SeeSnake D2A Push Cable
51813	165' SeeSnake D2B Push Cable
33108	Interconnect Cable

SeeSnake® Reels and Cameras

NEW
COMING IN 2019

SeeSnake Mini Reel

RIDGID® SEESNAKE MINI WITH TRUSENSE™

The SeeSnake Mini camera reel is the smaller version of the SeeSnake Standard system, now available with TruSense technology.

Best Use: The Mini's moderately stiff push cable strikes a good balance between stiffness and the ability to navigate turns. This system is a workhorse, and is available with 200' (61 m) of cable.

FEATURES

- Rugged, high-intensity LEDs for exceptional viewing and long life.
- Self-leveling camera head option to keep the image upright.
- Powerful FleXmitter® sonde has longer range and preserves the camera's ability to make turns.
- High dynamic range (HDR) image sensor offers bright, clear in-pipe imaging in difficult lighting conditions.
- TiltSense Sensor displays the camera's pitch in a pipe on a connected SeeSnake CSx series monitor.
- Included pipe guides center the camera for better in-pipe imaging.

SPECIFICATIONS	SeeSnake Mini	
Rated Pipe Capacity	1.5" to 8" (38 mm to 203 mm)	1.5" to 8" (38 mm to 203 mm)
CABLE		
Max Cable Length	200' (61 m)	200' (61 m)
Minimum Bend Radius	3" (76 mm)	3" (76 mm)
CAMERA		
Style	Fixed TruSense	Self-Leveling TruSense
Diameter	1.2" (30 mm)	1.2" (30 mm)
Length	1.3" (32 mm)	1" (25 mm)
SONDE		
Frequency	512 Hz	512 Hz
Type	FleXmitter	FleXmitter
DISTANCE MEASUREMENT		
Type	TruSense Counter	TruSense Counter
Data-Enabled	Two-Way	Two-Way

Catalog No.	Description	Weight	
		lb	kg
63628	200' Mini 30 mm SL TruSense	26	11.8
63633	200' Mini 30 mm TruSense	26	11.8

Accessories

Catalog No.	Description
67312	101 mm Star Guide, 30mm Camera, Pkg of 20
95507	75 mm Star Guide, 30 mm Camera, Pkg of 6
97462	Pipe Guide, 30 mm Camera, Pkg of 6
93392	Guide Hoop, 30 mm Camera, Pkg of 4
17558	Spanner Wrench, 30 mm

Included Star Guides help center the camera in the pipe

Replacement Parts

Catalog No.	Description
63843	30 mm Self-Leveling Camera Head - TruSense
63848	30 mm Fixed Camera Head - TruSense
48533	30 mm Self-Leveling Camera Head - NTSC
14083	30 mm Fixed Camera Head - NTSC
67327	200' SeeSnake Mini Push Cable Assembly
67307	Interconnect Cable, 10' Mini SeeSnake

SeeSnake® Reels and Cameras – Compact Series

NEW
COMING IN 2019

SeeSnake Compact M40 with docked CS6xPak

RIDGID® SEESNAKE COMPACT M40 WITH TRUSENSE™

The Compact M40 offers similar performance to the SeeSnake Mini in the popular Compact form-factor, combining a small package and all-in-one monitor capability (when used with the SeeSnake CS6xPak monitor). The Compact M40 features TruSense™ technology.

Best Use: The Compact M40 has 131' (40 m) of moderately stiff push cable, providing a good compromise between stiffness and the ability to navigate turns.

FEATURES

- Quick-release docking system for fast, efficient job setup with the SeeSnake CS6xPak monitor.
- Sturdy metal frame provides a solid base that makes it easy to push and retrieve the cable.
- Powerful FleXmitter® sonde has longer range and preserves the camera's ability to make turns.
- High dynamic range (HDR) image sensor offers bright, clear in-pipe imaging in difficult lighting conditions.
- TiltSense Sensor displays the camera's pitch in a pipe on a connected SeeSnake CSx series monitor.
- Included pipe guides center the camera for better in-pipe imaging.

SPECIFICATIONS	SeeSnake Compact M40
Rated Pipe Capacity	1.5" to 8" (38 mm to 203 mm)
CABLE	
Max Cable Length	131.2' (40 m)
Minimum Bend Radius	3" (76 mm)
CAMERA	
Style	Self-Leveling TruSense
Diameter	1" (25 mm)
Length	1" (25 mm)
SONDE	
Frequency	512 Hz
Type	FleXmitter
DISTANCE MEASUREMENT	
Type	TruSense Counter
Data-Enabled	Two-Way

Catalog No.	Description	Weight	
		lb	kg
63818	SeeSnake Compact M40 System with 1 Battery and 1 Charger	31.5	14
63813	SeeSnake Compact M40 System	27.7	12.5
63673	SeeSnake Compact M40 (Reel Only)	22	9.9

Accessories

Catalog No.	Description
47793	36 mm Pipe Guide, 25 mm Camera, Pkg of 1
35338	45 mm Pipe Guide, 25mm Camera, Pkg of 2
97462	60 mm Pipe Guide, 25mm Camera, Pkg of 6
46708	85 mm Pipe Guide, 25mm Camera, Pkg of 2
46713	125 mm Pipe Guide, 25mm Camera, Pkg of 2
63868	Various Pipe Guides, 25mm Camera Head
17553	Spanner Wrench, 25 mm
56813	CS6xPak Digital Recording Monitor
57143	CS6xPak with 2 Batteries and 1 Charger
45363	AC Battery Adapter
44693	18 V Advanced Lithium 2.0 Ah Battery
44698	18 V Advanced Lithium 4.0 Ah Battery
43458	18 V Advanced Lithium Battery Charger

Replacement Parts

Catalog No.	Description
63853	25 mm Self-Leveling Camera Head - TruSense
63858	130' SeeSnake Compact M40 Push Cable
24703	Kickstand
33108	Interconnect Cable

SeeSnake® Reels and Cameras – Compact Series

NEW
COMING IN 2019

SeeSnake Compact C40 with docked CS6xPak

RIDGID® SEESNAKE COMPACT C40 WITH TRUSENSE™

The Compact C40 comes in the popular Compact form-factor, combining a small package and all-in-one monitor capability (when used with the SeeSnake CS6xPak monitor). The Compact C40 features TruSense™ technology.

Best Use: The Compact C40 has 131' (40 meters) of flexible push cable, providing good ability to fit in smaller diameter pipes and navigate turns.

FEATURES

- Quick-release docking system for fast, efficient job setup with the SeeSnake CS6xPak.
- Sturdy metal frame provides a solid base that makes it easy to push and retrieve the cable.
- Powerful FleXmitter® sonde has longer range and preserves the camera's ability to make turns.
- High dynamic range (HDR) image sensor offers bright, clear in-pipe imaging in difficult lighting conditions.
- TiltSense Sensor displays the camera's degree of a tilt on a connected SeeSnake CSx series monitor.
- Included pipe guides center the camera for better in-pipe imaging.

SPECIFICATIONS	SeeSnake Compact C40
Rated Pipe Capacity	1.5" to 6" (38 mm to 152 mm)
CABLE	
Max Cable Length	131.2' (40 m)
Minimum Bend Radius	2.5" (64 mm)
CAMERA	
Style	Self-Leveling TruSense
Diameter	1" (25 mm)
Length	1" (25 mm)
SONDE	
Frequency	512 Hz
Type	FleXmitter
DISTANCE MEASUREMENT	
Type	Data-Enabled Integrated Counter
Data Communication	Two-Way

Catalog No.	Description	Weight	
		lb	kg
63828	SeeSnake Compact C40 System with 1 Battery and 1 Charger	27.1	12.3
63823	SeeSnake Compact C40 System	23.3	10.5
63668	SeeSnake Compact C40 (Reel Only)	17.6	8

Accessories

Catalog No.	Description
47793	36 mm Pipe Guide, 25 mm Camera, Pkg of 1
35338	45 mm Pipe Guide, 25 mm Camera, Pkg of 2
97462	60 mm Pipe Guide, 25 mm Camera, Pkg of 6
46708	85 mm Pipe Guide, 25 mm Camera, Pkg of 2
46713	125 mm Pipe Guide, 25 mm Camera, Pkg of 2
63868	Various Pipe Guides, 25 mm Camera Head
17553	Spanner Wrench, 25 mm
56813	CS6xPak Digital Recording Monitor
57143	CS6xPak with 2 Batteries and 1 Charger
45363	AC Battery Adapter
44693	18 V Advanced Lithium 2.0 Ah Battery
44698	18 V Advanced Lithium 4.0 Ah Battery
43458	18 V Advanced Lithium Battery Charger

Replacement Parts

Catalog No.	Description
63858	25 mm Self-Leveling Camera Head - TruSense
63863	130' SeeSnake Compact C40 Push Cable
24703	Kickstand
33108	Interconnect Cable

SeeSnake® Reels and Cameras – Compact Series

SeeSnake Compact2 with docked CS6xPak

RIDGID® SEESNAKE COMPACT2

The Compact2 combines a small package and all-in-one monitor capability (when used with the SeeSnake CS6xPak monitor).

Best Use: The Compact2 has 100' (30 m) of flexible push cable, providing good ability to fit in smaller diameter pipes and navigate turns.

FEATURES

- Quick-release monitor docking system for fast, efficient job setup with the SeeSnake CS6xPak.
- Sturdy metal frame provides a solid base that makes it easy to push and retrieve the cable.
- Self-leveling camera for an image that's always upright.
- Included pipe guides center the camera for better in-pipe imaging.

SPECIFICATIONS	SeeSnake Compact2
Rated Pipe Capacity	1.5" to 6" (38 mm to 152 mm)
CABLE	
Max Cable Length	100' (30 m)
Minimum Bend Radius	2.5" (64 mm)
CAMERA	
Style	Self-Leveling
Diameter	1" (25 mm)
Length	1" (25 mm)
SONDE	
Frequency	512 Hz
Type	FleXmitter
DISTANCE MEASUREMENT	
Type	Built-In with Video Overlay
Data Communication	One-Way

Catalog No.	Description	Weight	
		lb	kg
48113	SeeSnake Compact2 System with 1 Battery and 1 Charger	25.1	11.4
48103	SeeSnake Compact2 System	22.3	10.1
48093	SeeSnake Compact2 (Reel Only)	17	7.7

Accessories

Catalog No.	Description
47793	36 mm Pipe Guide, 25 mm Camera, Pkg of 1
35338	45 mm Pipe Guide, 25 mm Camera, Pkg of 2
97462	60 mm Pipe Guide, 25 mm Camera, Pkg of 6
46708	85 mm Pipe Guide, 25 mm Camera, Pkg of 2
46713	125 mm Pipe Guide, 25 mm Camera, Pkg of 2
63868	Various Pipe Guides, 25 mm Camera Head
17553	Spanner Wrench, 25 mm
56813	CS6xPak Digital Recording Monitor
57143	CS6xPak with 2 Batteries and 1 Charger
45363	AC Battery Adapter
44693	18 V Advanced Lithium 2.0 Ah Battery
44698	18 V Advanced Lithium 4.0 Ah Battery
43458	18 V Advanced Lithium Battery Charger

Replacement Parts

Catalog No.	Description
45438	25 mm Self-Leveling Camera Head - NTSC
49438	100' SeeSnake Compact2 Push Cable
24703	Kickstand
33108	Interconnect Cable

SeeSnake® Reels and Cameras

RIDGID® SEESNAKE MICROREEL™

The SeeSnake microReel packs into a small footprint and is an alternative for many pipe inspection applications, particularly for those that do not require a self-leveling camera head.

Best Use: The microReel's flexible push cable allows it to navigate turns easily and inspect up to 100' (30 m), and is compatible with the micro CA-350 or any SeeSnake monitor.

FEATURES

- Lightweight and compact unit allows for easy transport and efficient storage.
- Compatible with any existing SeeSnake monitors, or the micro CA-350 hand-held inspection camera.
- Convenient removable drum can be swapped with microDrain™ and nanoReel™ drums.
- Includes economical sonde transmitter for locating points of interest in the pipe.
- Included pipe guides center the camera for better in-pipe imaging.

SPECIFICATIONS	SeeSnake microReel L100C	SeeSnake microReel L100
Rated Pipe Capacity	1.5" to 3" (CA-350) or 4" (SS) (38 mm to 101 mm)*	1.5" to 3" (CA-350) or 4" (SS) (38 mm to 101 mm)*
CABLE		
Max Cable Length	100' (30 m)	100' (30 m)
Minimum Bend Radius	2.5" (64 mm)	2.5" (64 mm)
CAMERA		
Style	Fixed	Fixed
Diameter	1" (25 mm)	1" (25 mm)
Length	1" (25 mm)	1" (25 mm)
SONDE		
Frequency	512 Hz	512 Hz
Type	In-Camera	In-Camera
DISTANCE MEASUREMENT		
Type	Built-In with Video Overlay**	Built-In with Video Overlay*
Data Communication	One-Way**	One-Way*

microReel L100/L100C for SeeSnake Monitor

Catalog No.	Description	Weight	
		lb	kg
35133	microReel L100 (SS Monitor) Sonde (NTSC)	11	5
35183	microReel L100C (SS Monitor) Sonde & Counter (NTSC)	11	5

microReel L100/L100C for micro CA-350

Catalog No.	Description	Weight	
		lb	kg
40798	microReel L100/micro CA-350 System (NTSC)**	13	6
40808	microReel L100C/micro CA-350 System (NTSC)**	13	6
35143	microReel L100 (micro CA-350) Sonde (NTSC)**	12	5.3
35188	microReel L100C (micro CA-350) Sonde & Counter (NTSC)**	12	5.3

SeeSnake microReel with micro CA-350 used as a monitor and recording device.

Accessories

Catalog No.	Description
35338	45 mm Pipe Guide, 25mm Camera, Pkg of 2
40598	60 mm Pipe Guide, MicroReel, Pkg of 1
17553	Spanner Wrench, SS 25 Handleless
33108	Interconnect Cable for SeeSnake Monitor
33113	Interconnect Cable CA-350
55898	micro CA-350 Inspection Camera
34623	Drum, MicroReel L100 115V
35243	Drum, MicroReel L100C 115V

Replacement Parts

Catalog No.	Description
36713	100' SeeSnake Push Cable
36568	25mm Camera Head - NTSC

**microReel L100/L100C with micro CA-350 outputs less light than SeeSnake model, which may affect in-pipe image.*
***When used with compatible SeeSnake monitor only.*

SeeSnake® Reels and Cameras

RIDGID® SEESNAKE MICRODRAIN™

The SeeSnake microDrain is a specialty system that provides maneuverability for small-diameter inspections with tight turns.

Best Use: The microDrain uses a small-diameter camera and an extremely flexible push cable, making it perfect for tight turns such as toilet traps, sinks, and P-traps.

FEATURES

- Lightweight and compact design is one-half the size of popular inspection systems, easily stowed in a truck and carried onto the job site.
- Compatible with all SeeSnake monitors or the micro CA-350 digital inspection camera.
- Convenient removable drum can be swapped with microReel™ and nanoReel™ drums, available separately.
- Includes economical sonde transmitter for locating points of interest in the pipe.
- Includes pipe guide kit for better imaging.

SPECIFICATIONS	SeeSnake microDrain
Rated Pipe Capacity	1.25" to 3" (32 mm to 76 mm)*
CABLE	
Max Cable Length	65' (20 m)
Minimum Bend Radius	0.75" (19.1 mm)
CAMERA	
Style	Fixed
Diameter	0.87" (22 mm)
Length	0.8" (19 mm)
SONDE	
Frequency	512 Hz
Type	In-Camera
DISTANCE MEASUREMENT	
Type	Built-in Counter**
Data Communication	One-Way**

SeeSnake microDrain with micro CA-350 used as a monitor and recording device.

Catalog No.	Description	Weight	
		lb	kg
37468	microDrain D65S Reel (SeeSnake) (NTSC)	10	4.5
37473	microDrain D65S Reel (micro CA-350) (NTSC)	9.8	4.4
40788	microDrain D65S/micro CA-350 System (SeeSnake) (NTSC)	11.1	5

Accessories

Catalog No.	Description
34318	42 mm Pipe Guide, 22 mm Camera, Pkg of 2
40593	36 mm Pipe Guide, 22 mm Camera, Pkg of 2
53088	Spanner Wrench, SS 22 Handleless
33108	Interconnect Cable for SeeSnake Monitor
33113	Interconnect Cable for micro CA-350
55898	micro CA-350 Inspection Camera
37483	Drum, microDrain D65S 115V

Replacement Parts

Catalog No.	Description
35333	Strap, MicroDrain Shoulder
35853	22 mm Camera Head w/Sonde - NTSC
35843	22 mm Camera Head - NTSC
37913	65' SeeSnake MicroDrain Push Cable

**microDrain with micro CA-350 outputs less light than SeeSnake model, which may affect in-pipe image.*
***When used with compatible SeeSnake monitor only.*

SeeSnake® Reels and Cameras

SeeSnake nanoReel with micro CA-350 used as a monitor and recording device. See page 13.24 for details on the CA-350.

RIDGID® SEESNAKE NANOREEL™

The SeeSnake nanoReel is a specialty system with the smallest-diameter camera and most flexible push cable of all SeeSnake systems.

Best Use: The nanoReel works well in toilet traps, sinks, and P-traps, and with 82' (25 m) of push cable, it also performs well in longer, small-diameter applications such as boiler tubes and pool lines.

FEATURES

- Lightweight and compact unit allows for easy transport and efficient storage.
- Compatible with any existing SeeSnake monitors, or the micro CA-350 digital inspection camera.
- Convenient removable drum can be swapped with microDrain™ and microReel™ drums, available separately.
- Includes economical sonde transmitter for locating points of interest in the pipe.
- Includes pipe guide kit for better imaging.

SPECIFICATIONS

	SeeSnake nanoReel
Rated Pipe Capacity	1" to 4" (25 mm to 102 mm)*
CABLE	
Max Cable Length	82' (25 m)
Minimum Bend Radius	1.5" (38 mm)
CAMERA	
Style	Fixed
Diameter	0.61" (15.5 mm)
Length	0.69" (17.5 mm)
SONDE	
Frequency	512 Hz
Type	In-Camera
DISTANCE MEASUREMENT	
Type	Built-in Counter**
Data Communication	One-Way**

Catalog No.	Description	Weight	
		lb	kg
40008	nanoReel N85S (SeeSnake) (NTSC)	10.2	4.63
39998	nanoReel N85S (micro CA-350) (NTSC)	11	5
40818	nanoReel N85S/micro CA-350 System (NTSC)	12.2	5.53

Accessories

Catalog No.	Description
42778	30mm and 25mm Pipe Guide Set, 15.5mm Camera Head, Pkg of 2
40443	Drum, nanoReel N85S NTSC
55898	micro CA-350 Inspection Camera
33108	Interconnect Cable for SeeSnake Monitor
33113	Interconnect Cable for micro CA-350

Replacement Parts

Catalog No.	Description
42863	15.5mm Camera Head - NTSC
41783	82' SeeSanke nanoReel Push Cable

**nanoReel with micro CA-350 outputs less light than SeeSnake model, which may affect in-pipe image.*
***When used with compatible SeeSnake monitor only.*

SeeSnake® Wi-Fi Enabled Monitors and Recorders

RIDGID® SEESNAKE CS6X DIGITAL RECORDING MONITOR

With a lightweight body and small form factor, the CS6x is designed for portability and convenience. Quickly capture and share inspection photos and videos right from the job site. Dock the CS6x onto a SeeSnake MAX™ rM200 reel for easy transport.

FEATURES

- Built-in Wi-Fi and Bluetooth allows live inspection streaming on an iOS or Android device with the free HQx® Live app.
- Capture photos, PhotoTalk™ media, video, and Autolog directly to a USB drive
- Compatible with all SeeSnake camera reels.
- TiltSense™ displays the camera's degree of tilt from horizontal when connected to a SeeSnake camera reel with TruSense™.
- Water-resistant keypad gives direct control of camera and monitor functions.
- Daylight viewable display provides a crisp, clear, in-pipe image.

SPECIFICATIONS

- Length – 14.2" (362 mm)
- Width – 6.5" (165 mm)
- Height – 5.1" (130 mm)
- Display – 5.7" (145 mm) Color LCD
- Display Resolution – 640 x 480 (VGA)
- Power Source – 18 V Advanced Lithium Battery or AC adapter
- Operating Temperature – 14ºF to 122ºF (-10ºC to 50ºC)
- Storage Temperature – 14ºF to 158ºF (-10ºC to 70ºC)
- Media Transfer – USB Drive or Wi-Fi via HQx Live
- Audio – Integrated Microphone and Speakers
- Autolog Format – MPEG4 (H.264)
- Photo Format – JPEG
- Video Format – MPEG4 (H.264)

SeeSnake rM200 with CS6x used as a monitor and recording device

Catalog No.	Description	Weight	
		lb	kg
56803	CS6x Digital Recording Monitor	3.4	1.6
57138	CS6x w/2 Batteries and 1 Charger	7.4	3.4
45363	AC Battery Adapter	1	0.5
44693	18 V Advanced Lithium 2.0 Ah Battery	1	0.5
44698	18 V Advanced Lithium 4.0 Ah Battery	1.5	0.7
43458	18 V Advanced Lithium Battery Charger	1.8	0.8

SeeSnake® Wi-Fi Enabled Monitors and Recorders

RIDGID® SEESNAKE CS6XPAK DIGITAL RECORDING MONITOR

The SeeSnake CS6xPak produces big results in a compact package. Its durable form factor is specifically designed to dock onto any of the SeeSnake Compact series reels. With its easy grab handle, users can adjust it for viewing while mounted to a SeeSnake Compact reel or place it anywhere for optimal convenience.

FEATURES

- Built-in Wi-Fi and Bluetooth allows live inspection streaming on an iOS or Android device with the free HQx® Live app.
- Capture photos, PhotoTalk™ media, video, and Autolog directly to a USB drive
- For added convenience, use the docking system to mount the CS6xPak onto a Compact series reel.
- TiltSense™ displays the camera's degree of tilt from horizontal when connected to a SeeSnake camera reel with TruSense™.
- Water-resistant keypad gives direct control of camera and monitor functions.
- Daylight viewable display provides a crisp, clear, in-pipe image.

SPECIFICATIONS

- Length – 14" (356 mm)
- Width – 7.6" (193 mm)
- Height – 10.6" (269 mm)
- Display – 5.7" (145 mm) Color LCD
- Display Resolution – 640 x 480 (VGA)
- Power Source – 18 V Advanced Lithium Battery or AC adapter
- Operating Temperature – 14ºF to 122ºF (-10ºC to 50ºC)
- Storage Temperature – 14ºF to 158ºF (-10ºC to 70ºC)
- Media Transfer – USB Drive or Wi-Fi via HQx Live
- Audio – Integrated Microphone and Speakers
- Autolog Format – MPEG4 (H.264)
- Photo Format – JPEG
- Video Format – MPEG4 (H.264)

SeeSnake Compact2 with docked CS6xPak

Catalog No.	Description	Weight	
		lb	kg
56813	CS6xPak Digital Recording Monitor	5.7	2.6
57143	CS6xPak w/2 Batteries and 1 Charger	9.5	4.3
45363	AC Battery Adapter	1	0.5
44693	18 V Advanced Lithium 2.0 Ah Battery	1	0.5
44698	18 V Advanced Lithium 4.0 Ah Battery	1.5	0.7
43458	18 V Advanced Lithium Battery Charger	1.8	0.8

SeeSnake® Wi-Fi Enabled Monitors and Recorders

RIDGID® SEESNAKE CS65X DIGITAL REPORTING MONITOR

The SeeSnake CS65x digital reporting monitor has superior reporting capabilities. Directly capture inspection photos and videos on up to two USB drives as well as the CS65x's internal storage. The water-resistant, built-in keyboard and on-board reporting software lets you enhance captured media with overlaying notes and customer information right from the job site.

FEATURES

- Dual USB ports give you the ability to make up to two copies of the job at once.
- Durable, internal solid-state storage device provides ample storage for multiple inspection jobs.
- Built-in Wi-Fi and Bluetooth allows live inspection streaming on an iOS or Android device with the free HQx® Live app.
- TiltSense™ displays the camera's degree of tilt from horizontal when connected to a SeeSnake camera reel with TruSense™.
- Integrated GPS allows media to be geo-referenced when GPS signal lock is available.
- Docks to the SeeSnake MAX™ rM200 reel for easy transport.

SPECIFICATIONS

- Length – 16" (406 mm)
- Width – 12.5" (319 mm)
- Height – 9.5" (242 mm)
- Display – 6.5" (165 mm) Color LCD
- Display Resolution – 640 × 480 (VGA)
- Power Source – 18 V Advanced Lithium Battery or AC Power Cable
- Operating Temperature – 14°F to 122°F (-10°C to 50°C)
- Storage Temperature – -4°F to 140°F (-20°C to 60°C)
- Media Transfer – USB Drive or Wi-Fi via HQx Live
- Audio – Integrated Microphone and Speaker
- Autolog – MPEG4 (H.264)
- Photo Format – JPEG
- Video Format – MPEG4 (H.264)

SeeSnake rM200 with CS65x docked for easy transport

Catalog No.	Description	Weight	
		lb	kg
54363	CS65x Digital Reporting Monitor	9.3	4.2
55978	CS65x w/2 Batteries and 1 Charger	13.1	5
45363	AC Battery Adapter	1	0.5
44693	18 V Advanced Lithium 2.0 Ah Battery	1	0.5
44698	18 V Advanced Lithium 4.0 Ah Battery	1.5	0.7
43458	18 V Advanced Lithium Battery Charger	1.8	0.8

SeeSnake® Wi-Fi Enabled Monitors and Recorders

RIDGID® SEESNAKE CS12X DIGITAL RECORDING MONITOR

The RIDGID SeeSnake CS12x Monitor is an all-in-one inspection reporting solution and features the largest screen of the CSx series monitors. Allow customers to see the inspection in real-time by connecting the CS12x to a mobile device using the free HQx® Live app. The dual battery option gives you long-lasting power in the field to get the job done.

FEATURES

- Runs from one or two batteries to deliver maximum run time at the job site (not swappable during use).
- At 12.1" and with a resolution of 1024 × 768 pixels, the high-contrast display is crisp, clear and daylight readable.
- TiltSense™ displays the camera's degree of tilt from horizontal when connected to a SeeSnake camera reel with TruSense™.
- Cradle and grip surface designed to hold a tablet when using the free HQx Live mobile app.
- Deep recessed pocket for storing a user-supplied external storage device.
- Docks to the SeeSnake MAX™ rM200 reel for easy transport.

SPECIFICATIONS

- Length – 19.9" (506 mm)
- Width – 15.5" (394 mm)
- Height – 11.9" (302 mm)
- Display – 12.1" (307 mm) Color LCD
- Display Resolution – 1024 × 768 (VGA)
- Power Source – 18 V Advanced Lithium Battery or AC Adapter
- Operating Temperature – 14ºF to 122ºF (-10ºC to 50ºC)
- Storage Temperature – -4ºF to 140ºF (-20ºC to 60ºC)
- Media Transfer – USB Drive or Wi-Fi via HQx Live
- Audio – Integrated Microphone and Speaker
- Autolog Format – MPEG4 (H.264)
- Photo Format – JPEG
- Video Format – MPEG4 (H.264)

Catalog No.	Description	Weight	
		lb	kg
57278	CS12x Digital Recording Monitor	13.9	6.3
57288	CS12x Monitor w/2 Batteries and 1 Charger	17.7	8
45363	AC Battery Adapter	1	0.5
44693	18 V Advanced Lithium 2.0 Ah Battery	1	0.5
44698	18 V Advanced Lithium 4.0 Ah Battery	1.5	0.7
43458	18 V Advanced Lithium Battery Charger	1.8	0.8

Software Business Tools

GET IT ON Google Play

Download on the App Store

RIDGID® SEESNAKE® HQX® LIVE DIGITAL INSPECTION SOFTWARE

HQx Live is a free app that works with your SeeSnake CSx series Wi-Fi enabled monitor to share inspections with your customers. Available on iOS™ and Android™ devices, HQx Live provides second screen flexibility, allowing you to stream live video directly to a mobile device. You can also capture and share photos, PhotoTalk™ media, and video.

MONITOR AND RECORD

- Turn on the monitor's built-in Wi-Fi to quickly connect to an iOS or Android device.
- Stream inspection footage directly on a connected mobile device.
- Capture photos, video, and PhotoTalk media, and quickly share over a cellular connection.*
- Open the Job Gallery to easily view, edit, and manage jobs and inspection media.
- Quickly annotate media with shareable captions.
- Email, text, or upload inspection media through a variety of platforms, including YouTube™ (Google account required).
- Remotely control camera and monitor functions, such as camera brightness and the sonde.
- Keep your SeeSnake CSx series monitor updated with wireless over-the-air updating (coming soon).

**Messaging and data rates may apply. Some Android devices may not be able to send and receive data over a cellular network while connected to a CSx monitor over Wi-Fi.*

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Android is a trademark of Google LLC.

The RIDGIDConnect site is full of application ideas as well as screen casts and videos to help you quickly get started. Register for a Basic or higher level account to share all types of media or choose an Express account to share image-only reports. Visit www.ridgidconnect.com to get started.

RIDGIDCONNECT™ ONLINE BUSINESS TOOL

RIDGIDConnect is the online solution that streamlines your reporting process, integrates digital media and files into a hosted archive environment, and makes professional reports that you can share with anyone.

RIDGIDCONNECT ALLOWS YOU TO:

- Create job reports for one or many to see.
- Associate any type of digital file or media with a report to share.
- Tag your media for reference and quick lookup.
- Edit video, extract frames as images and add image mark-ups to tell the story.
- Add bookmarks to videos to direct viewers to areas of interest.
- Control access to your information by expiration date or total number of views.
- Manage your customer list and associate geotags with provided addresses.
- Choose QuickSend to upload and share the report all in one step.
- Desktop application to compress media prior to upload.
- Post level videos to compensate for camera heads that are not self-leveling.
- Keep company-only notes about jobs and customers to help recall service information.
- Schedule jobs, set reminders and dispatch work within your company.
- Enable your customers to upload media to a report so you can understand the issue before arriving on site.
- Seamlessly integrate job reports from SeeSnake HQx Live.
- Have daily backups and 24/7 access via web browser to all your information.

Hand-Held Video Inspection

RIDGID® MICRO INSPECTION CAMERAS

The RIDGID line of handheld visual inspection cameras eliminates the guesswork and reduces the amount of time required to detect and diagnose the unreachable. All handheld inspection cameras come equipped with a camera and light source attached to the end of a flexible cable. The camera sends live images back to a high visibility digital LCD display allowing for detailed visual inspections in hard-to-reach spaces.

RIDGID MICRO CA-25 INSPECTION CAMERA

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

SPECIFICATIONS

- Display – 2.7" Color LCD (320 × 240 Resolution)
- Camera Head – 17 mm Diameter, Aluminum Construction
- Lighting – 4 LEDs with adjustable brightness
- Cable Reach – 4' (120 cm), not extendable
- Video Output – 3' (90 cm) RCA Cable (included)
- Image Rotation – 180°
- Waterproof – Camera Head and Cable to 4' (120 cm)

Catalog No.	Description	Weight	
		lb	kg
40043	micro CA-25 Inspection Camera	4.7	2.1

Replacement Parts

Catalog No.	Description	Weight	
		lb	kg
37123	Mirror, Hook and Magnet for 17 mm Camera Head	0.1	0.0

Hand-Held Video Inspection

RIDGID MICRO CA-150 INSPECTION CAMERA

The RIDGID micro CA-150 Inspection Camera allows you to perform more detailed visual inspections in even harder-to-reach areas.

FEATURES

- Comfortable one-hand grip for steady control while maneuvering camera.
- Large 3.5" color display allows fast diagnosis in tight hidden spaces.
- Illuminate dark areas with 4 bright LEDs on the waterproof camera head.
- Capture up to 20 still images during inspections to playback on screen later.

SPECIFICATIONS

- Display – 3.5" Color LCD (320 × 240 Resolution)
- Camera Head – 17 mm Aluminum
- Lighting – 4 LEDs with Adjustable Brightness
- Cable Reach – 3' (90 cm) (Expandable to 30' with optional extension)
- Internal Memory – 20 images
- Playback – On screen only
- Power Source – Batteries (4 × AA)
- Attachments – Mirror, Hook & Magnet
- Weight – 5.5 lb (2.5 kg)
- Waterproof – Camera Head and Cable to 10' (3 m) (when properly assembled)

Catalog No.	Description	Weight	
		lb	kg
36848	micro CA-150 Inspection Camera	5.5	2.5

Accessories

Catalog No.	Description	Weight	
		lb	kg
37108	3' (.91 m) Cable Extension	0.7	0.3
37113	6' (1.8 m) Cable Extension	1.4	0.8

Replacement Parts

Catalog No.	Description	Weight	
		lb	kg
37103	17 mm Replacement Imager	0.7	0.3

Hand-Held Video Inspection

RIDGID® MICRO CA-350 INSPECTION CAMERA

Inspection and documentation made easy with the new RIDGID micro CA-350 Inspection Camera, now with 12V power.

FEATURES

- Easily record still images and videos of problems in hard-to-reach areas.
- 12V rechargeable Lithium-Ion battery provides longer runtime for extended inspections.
- Comfortable pistol grip design, large screen, and easy-to-use interface.
- Illuminate dark spaces with four bright LEDs on the waterproof aluminum camera head.
- Get the perfect view with enhanced features like image rotation and digital zoom.

SPECIFICATIONS

- Display – 3.5" Color TFT
- Camera Diameter – 0.7" to 11/16" (17 mm)
- Lighting – 4 LEDs with adjustable brightness
- Cable Reach – 3' (90 cm) expandable to 30' (9 m) w/optional extensions, also compatible with microDrain, microReel and nanoReel
- Images – JPEG 640 × 480 Resolution
- Video – MP4 640 × 480 Resolution
- Power Source – Rechargeable 12V Li-Ion battery
- External Memory – SD Card up to 32 GB (8GB SD card included)

Catalog No.	Description	Weight	
		lb	kg
55898	micro CA-350 Inspection Camera	2.0	0.9

Included: micro CA-350 with 17 mm imager, battery, charger, USB cable, hook, magnet and mirror accessories, RCA cable, AC adapter, headset with microphone, 8GB SD card.

Accessories

Catalog No.	Description	Weight	
		lb	kg
37098	6 mm Imager with 1 m Cable*	0.2	0.1
37093	6 mm Imager with 4 m Cable*	0.9	0.4
37108	3' (.91 m) Cable Extension	0.7	0.3
37113	6' (1.8 m) Cable Extension	1.4	0.8

Replacement Parts

Catalog No.	Description	Weight	
		lb	kg
37103	17 mm Replacement Imager	0.7	0.3
37123	Mirror, Hook and Magnet for 17 mm Camera Head	0.1	0.0
55183	micro CA-350 12 V Li-Ion Battery	0.34	0.15

Compatible Camera Reels

Catalog No.	Description	Weight	
		lb	kg
39998	nanoReel N85S (micro CA-350) NTSC	11	5
37473	microDrain D65S Reel (CA-350) NTSC	9.8	4.4
35143	microReel L100 Reel (CA-350) NTSC	12	5.3

Utility Locating Equipment

RIDGID® SEEKTECH® LOCATING RECEIVERS

RIDGID locating receivers give users an accurate and instantly intuitive way to locate sondes and trace utility lines. Powered by an omnidirectional antenna system and real-time signal processing, RIDGID receivers provide an easy-to-use visual mapping display that allows you to locate 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.

	SeekTech SR-60	SeekTech SR-24	SeekTech SR-20	NaviTrack Scout®
				
Catalog No.	22163	44473	21893	19238
Omnidirectional Mapping Display	Yes	Yes	Yes	Yes
User-Defined Frequencies	Yes - All Available	Yes up to 35 kHz	Yes up to 35 kHz	No
Number of Active Line Trace Frequencies	All up to 490 kHz	All up to 35 kHz	All up to 35 kHz	3
Sonde Frequencies	All up to 490 kHz	All up to 35 kHz	All up to 35 kHz	4
Passive Search	OmniSeek (searches all passive bands at once)	OmniSeek (searches all passive bands at once)	OmniSeek (searches all passive bands at once)	50/60 Hz
Depth	Continuous	Continuous	Continuous	Semi-Continuous
Weight w/batteries	5.4 lb/2.5 kg	4.1 lb/1.9 kg	4 lb/1.8 kg	3 lb/1.4 kg
Bluetooth®	No	Yes	No	No
Power Source	4 C-cell	4 C-cell	4 C-cell	4 C-cell

RIDGID SEEKTECH LINE TRANSMITTERS

Accurately trace buried utilities by applying a signal with a RIDGID SeekTech ST series 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 for easy locates.

	SeekTech ST-33Q+	SeekTech ST-510	SeekTech ST-305
			
Catalog No.	49338	21903	21898
Max Power Output	10 W	10 W	5 W
Digital Display	Yes	Yes	No
Line Trace Frequencies	All up to 490 kHz	Selections up to 262 kHz	4
Inductive Frequencies	8 kHz or 33 kHz	4	3
Simultaneous Transmit 2 Line Frequencies	No	No	Yes
Weight w/ batteries	11.8 lb/5.4 kg (18 V) 12.5 lb/5.7 kg (D-cell)	7.9 lb/3.6 kg	2.9 lb/ 1.3 kg
Bluetooth®	Yes	No	No
Power Source	18 V/6 D-cell/External*	8 D-cell/External*	6 C-cell

**External power source is supplied by user*

Find sondes (remote transmitters).

Direct connect to utility lines.

Find plastic pipe by tracing the push cable

Induce a signal to locate utilities.

Utility Locating Equipment

RIDGID® SEEKTECH® UTILITY LOCATORS

SeekTech SR® series locating receivers give you the information you need to locate buried utilities and sondes with speed, accuracy, and confidence.

MAPPING DISPLAY FEATURES

The patented SeekTech omnidirectional antenna technology powers a unique mapping display to provide the fastest, most intuitive locating experience. The mapping display utilizes multiple redundant signal measurements to build locating confidence and identify distortion in congested areas.

- Target Line – Guides the operator down the line, shows changes in direction, and alerts for the presence of signal distortion.
- Left/Right Guidance Arrows – Pair of gradient antennas measures the left/right signal gradient to center the locator over the target and evaluate signal shape.
- Proximity Signal and Signal Strength – Helps the operator move the locator closer to the target for faster, more confident locates.

ADDITIONAL FEATURES

- Continuous Depth – Shows depth changes in real time.
- OmniSeek® – Increases accuracy and efficiency when searching in passive mode. Continuously searches passive power and radio bands to locate 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 490KHz, making it a universal receiver.
  - – SeekTech SR-20 or SR-24 locator can be set to any frequency between 10 Hz and 35KHz.

Locating Equipment

RIDGID® SEEKTECH® SR-60 LOCATOR

The SeekTech SR-60 has the largest display and widest frequency range for quickly and easily locating underground cables and pipes in a variety of situations. Choose the SR-60 locator for fast, confident locates even under tough locate conditions – including poor conductors, poor soil conditions, and poor grounding.

FEATURES

- Mapping display shows the utility's estimated position, direction and depth.
- Omnidirectional antenna array captures the complete signal field for greater speed and accuracy.
- Gradient antennas provide left/right guidance and help evaluate signal shape.

SPECIFICATIONS

- Power Source – 4 C-cell batteries
- Battery Life – Approximately 16 Hours
- Meets FCC Class A and EN 55022 Class A requirements.

FREQUENCIES

- 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

** 30 user-definable frequencies can be set from 10 Hz to 35,000 Hz.*
*** 30 user-definable frequencies can be set from 10 Hz to 490,000 Hz.*

Catalog No.	Description	Weight	
		lb	kg
22163	SeekTech SR-60 Line Locator w/batteries	5.4	2.5

Accessories

Catalog No.	Description	Weight	
		lb	kg
20973	SeekTech 4" (100 mm) Inductive Signal Clamp	1.75	0.8
21898	SeekTech ST-305 Transmitter (5 W)	2.9	1.3
29798	SR-60 Replacement Case	5	2.2

Locating Equipment

RIDGID® SEEKTECH® SR-24 LOCATOR

The SR-24 is a precision utility locating receiver with integrated GPS and Bluetooth® technology.

The SR-24's omnidirectional antennas capture the complete signal field, making it easy to acquire the signal and trace its path. The receiver maps the utility's position and direction on its display for a locating experience that is immediately intuitive.

FEATURES

- Mapping display shows the utility's estimated position, direction, and depth.
- Omnidirectional antennas detect the complete signal field for greater speed and accuracy.
- Gradient antennas provide left/right guidance for centering over signal.
- Distortion indicator shows signal shape inaccuracies so steps can be taken to improve signal.
- Bluetooth® technology for logging data to a smartphone, tablet, or high-precision GPS instrument.
- Pair with the ST-33Q+ transmitter to remotely set the transmitter's frequency and power output.
- Built-in GPS tracks coordinates for mapping and GIS applications, including the RIDGIDTrax® app.
- Foldable mast for easy transport and storage.

SPECIFICATIONS

- Power Source – 4 C-cell batteries (included)
- Battery Life – Approximately 16 Hours
- Wireless Technology – Bluetooth® Class 1
- Wireless Range – 200 yards (183 meters)
- GPS Average Accuracy – Less than 2.5 m (8.2')
- Meets FCC Class A and EN 55022 Class A requirements.

FREQUENCIES

- Active Line Trace Frequencies* – 128 Hz, 1 kHz, 8 kHz and 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

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

Catalog No.	Description	Weight	
		lb	kg
44473	SeekTech SR-24 Line Locator w/Bluetooth® and GPS	4.1	1.9

Accessories

Catalog No.	Description	Weight	
		lb	kg
20973	SeekTech 4" (100 mm) Inductive Signal Clamp	1.75	0.8
21898	SeekTech ST-305 Transmitter (5 watts)	2.9	1.3
22173	SR-20/SR-24 Replacement Case	5	2.2

RIDGIDTRAX®

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A utility locating app that lets you create visual maps of underground utilities using a mobile or tablet device.

- Wirelessly stream locating data to common Bluetooth-compatible GPS devices.
- Select the type of utility being traced (water, gas, electric, etc.) and display depth and GPS position on a real-time map.
- Finished maps can be saved and viewed inside the app or exported to a .KML file for use with popular GIS programs such as Google Earth™.

Locating Equipment

RIDGID® SEEKTECH® SR-20 LOCATOR

The SeekTech SR-20 is a lightweight yet rugged utility line locator for locating underground cables and pipes. The SR-20 features an omnidirectional antenna array and gradient antennas to quickly locate and follow the target line's path.

FEATURES

- Mapping display shows the utility's estimated position, direction, and depth.
- Omnidirectional antennas detect the complete signal field for greater speed and accuracy.
- Gradient antennas provide left/right guidance for centering over signal.
- Distortion indicator shows signal shape inaccuracies so steps can be taken to improve signal.
- Foldable mast for easy transport and storage.

SPECIFICATIONS

- Power Source – 4 C-cell batteries (included)
- Battery Life – Approximately 16 Hours
- Meets FCC Class A and EN 55022 Class A requirements.

FREQUENCIES

- 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

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

Catalog No.	Description	Weight	
		lb	kg
21893	SeekTech SR-20 Line Locator (Includes Case)	4	1.8
46918	Kit: SR-20 + ST-305 Transmitter + 4" Inductive Signal Clamp	8.5	3.8

Accessories

Catalog No.	Description	Weight	
		lb	kg
20973	SeekTech 4" (100 mm) Inductive Signal Clamp	1.75	0.8
21898	SeekTech ST-305 Transmitter (5 watts)	2.9	1.3
22173	SR-20/SR-24 Replacement Case	5	2.2

Locating Equipment

RIDGID® NAVITRACK SCOUT® LOCATOR

The NaviTrack Scout locator is designed to solve the most demanding sonde locates using the same omnidirectional locating technology as the full-featured SR® series utility line locators. The NaviTrack Scout is ideal for users locating SeeSnake® cameras and other sondes and can also be used to locate energized lines.

FEATURES

- Locates SeeSnake in-line transmitters, sondes, and energized metallic lines.
- Transmitters can be approached from any direction for faster, more accurate locates.
- Locate can be easily verified using the large mapping display.
- Continuous depth measurement when the receiver's orientation is correctly aligned.

SPECIFICATIONS

- Power Source – 4 C-cell batteries
- Battery Life – Approximately 24 hours

FREQUENCIES

- Sonde – 512 Hz, 640 Hz, 874 kHz, 33 kHz
- Line Trace – 128 Hz, 8 kHz, 33 kHz
- Passive AC Line Trace – 60 Hz, 50 Hz
- Meets FCC Class B and EN 55022 Class B requirements

Catalog No.	Description	Weight	
		lb	kg
19238	NaviTrack Scout Locator	3	1.4

Accessories

Catalog No.	Description	Weight	
		lb	kg
16728	Remote Transmitter, 512-AAA	0.2	0.1

Replacement Parts

Catalog No.	Description
20248	Scout Carrying Case
12543	Marker Chips and Clip

Locating Equipment

RIDGID® SEEKTECH® LINE TRANSMITTERS

RIDGID offers a range of transmitters for tracing underground metallic pipes and cables. The SeekTech ST® transmitter series provides a range of frequency options and signal application methods to apply a traceable signal for easy, fast locating.

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

- Direct, metal-to-metal connection using connection leads.
- Induction with the SeekTech inductive signal clamp accessory.
- Induction from the transmitter's built-in antenna.

RIDGID SEEKTECH ST-33Q+ TRANSMITTER

The ST-33Q+ is a powerful, Bluetooth® enabled line transmitter for applying a signal to buried pipes and cables.

- Power Source Options: RIDGID 18 V Li-Ion Battery, 6 Alkaline or rechargeable D-cell batteries, 12 VDC external power supply (user supplied).*
- Power Settings: 10 W maximum.
- Wireless Communication: Bluetooth® capabilities when used with SR-24 locating receiver.

FREQUENCIES

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

** Batteries sold separately*
*** Up to 93 kHz for devices sold in Europe, Australia and New Zealand*

Catalog No.	Description	Weight	
		lb	kg
49338	SeekTech ST-33Q+ Transmitter w/Bluetooth® and 18 V Ridgid Battery	11.8	5.4
20973	SeekTech 4" (100 mm) Inductive Signal Clamp	1.75	0.8
44853	Set of (2) 2.0 Ah Batteries and (1) 120 V Charger	4	1.7

RIDGID® SEEKTECH® ST-510 TRANSMITTER

- Power Source: 8 Alkaline or rechargeable batteries (D-cells) or 12 V external power supply (user supplied).
- Output Power: 10 Watts maximum.

FREQUENCIES

- Direct Connect (factory default): 128 Hz, 1 kHz, 8 kHz, 33 kHz, 93 kHz.*
- Direct Connect (menu options): Selections up to 480 kHz.*
- Induction: 1 kHz, 8 kHz, 33 kHz, 262 kHz.*

** Up to 93 kHz for devices sold in Europe*

Catalog No.	Description	Weight	
		lb	kg
21903	SeekTech ST-510 Transmitter (10 Watts)	7.9	3.6

Locating Equipment

RIDGID SEEKTECH ST-305 TRANSMITTER

- Power Source: 6 Alkaline or rechargeable batteries (C-Cells).
- Output Power: 5 Watts maximum.

FREQUENCIES

- Direct Connect (factory default): 1 kHz, 8 kHz, 33 kHz, 262 kHz.*
- Direct Connect (menu options): 33 kHz + 1 kHz or 33 kHz + 8 kHz.*
- Induction: 1 kHz, 8 kHz, 33 kHz.*

** Up to 93 kHz for devices sold in Europe*

Catalog No.	Description	Weight	
		lb	kg
21898	SeekTech ST-305 Transmitter (5 Watts)	2.9	1.3

RIDGID LOCATING ACCESSORIES

RIDGID SEEKTECH INDUCTIVE SIGNAL CLAMP ACCESSORY

- 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" (100 mm) Inductive Clamp	1.75	0.8

RIDGID BATTERY SONDE

FEATURES

- 512 Hz signal.
- Flashing LED indicates that sonde is transmitting.
- Can be attached to a drain cleaning cable or water jet hose for being located in a line.
- Meets FCC Class B and EN 55022 Class B requirements.

Catalog No.	Description	Weight	
		lb	kg
16728	Battery Sonde, 512 – AAA	0.2	0.1

Accessories

Catalog No.	Description
19263	Adapter for 5/8" and ¾" Drum Machine Cables
19268	Adapter for 7/8" Sec. and ½" Drum Machine Cables
19273	Adapter for 5/8" Sec. and 3/8" Drum Machine Cables

Locating Equipment

RIDGID® MR-10 MAGNETIC LOCATOR

FEATURES

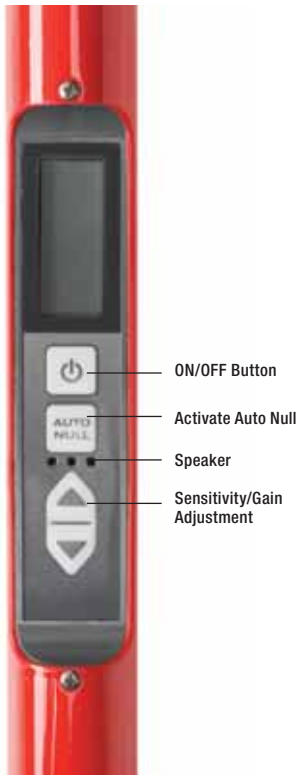
- Quickly locate buried iron or steel objects such as:
  - Valve/Curb Boxes
  - Manhole Covers
  - Cast Iron Pipes
  - Steel Enclosures
  - Well Casings
  - Reinforced Septic Tanks
  - Survey Pins
- Ergonomic rugged design includes carrying case and batteries.
- Highly sensitive instrument with audio and visual feedback.
- AutoNull feature blocks out nearby metallic interference such as an automobile or chain link fences.

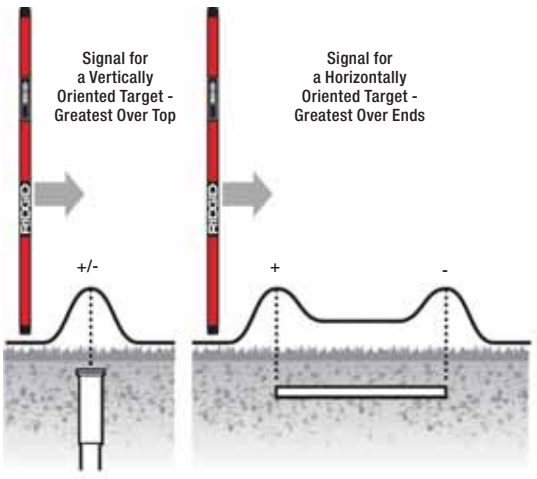
SPECIFICATIONS

- Display – Black and White LCD
- Speaker – Durable Mylar speaker
- Body Material/Construction – Aluminum tube with recessed controls
- Length – 39.25" (100 cm)
- Operating Temperature – 0°F to +120°F (-18°C to +49°C)
- Storage Temperature – -13°F to +140°F (-25°C to +60°C)
- IP Protection – IP54
- Power Supply – 6 x AA Alkaline batteries included
- Weight – 1.7 lb. (0.77 kg)

Catalog No.	Description	Weight	
		lb	kg
53068	MR-10 Magnetic Locator with Case	1.7	0.77

Precisely locate curb stops and other underground objects containing iron.





Signals and Polarity form Vertical and Horizontal Targets.

Locating Equipment

RIDGID® A-FRAME FAULT LOCATOR

The RIDGID A-Frame Fault Locator is a purpose-built system to simplify the location of ground faults in direct buried insulated wire.

FEATURES

- Purpose-built directional fault finder.
- Locates insulation faults up to 2 megohms.
- Reference readout to determine fault location.
- Durable, lightweight powder-coated aluminum frame.
- Weatherproof membrane buttons.
- Made in the U.S.A.

FT-103 TRANSMITTER SPECIFICATIONS

- Operating Frequencies – Direct Fault Finding: 797 Hz - "dFF" displayed
  Path Locating: 128 Hz, 1 kHz, 8 kHz, 33 kHz, 93 kHz
  Direct Connect: 128 Hz, 1 kHz, 8 kHz, 33 kHz, 93 kHz
  Inductive Clamp: 8 kHz, 33 kHz, 93 kHz
  Broadcast Inductive: 33 kHz, 93 kHz
- Load Range – 5 Ω to 2M Ω
- Output Power – Up to 3 Watts (low, medium and high settings)
- Output Voltage – 5 Volts - 600 Volts
- Power Supply – 8 × C-cell batteries (included)
- Dimensions (LxWxH) – 8.5" × 5.8" × 2.5"

FR-30 A-FRAME RECEIVER SPECIFICATIONS

- Fault Finding Depth – Up to 20' (depending on conditions)
- Fault Finding Length – Up to 3 miles (depending on conditions)
- Display – Black and White LCD
- Power Supply – 6 × AA batteries
- Dimensions (LxWxH) – 30.3" × 30.4" × 1.5"

STANDARD EQUIPMENT

- FR-30 A-Frame Receiver
- FT-103 Transmitter
- Ground Stake
- Red and Black Test Leads Carry Cases
- Batteries
- Operator's Manual Pack

Catalog No.	Description	Weight	
		lb	kg
56613	A-Frame Fault Locator (FR-30) and Receiver (FT-103)	5.2	2.3

Accessories

Catalog No.	Description	Weight	
		lb	kg
20973	RIDGID SeekTech® 4" (100 mm) Inductive Signal Clamp	1.75	0.8
22163	RIDGID SeekTech SR-60 Line Locator w/Case	5.1	2.3
44473	RIDGID SR-24 Line Locator w/Bluetooth® and GPS	4.1	1.9
21893	RIDGID SeekTech SR-20 Line Locator w/Case	4.0	1.8

Replacement Parts

Catalog No.	Description	Weight	
		lb	kg
57753	Transmitter, FT-103 3-Watt	2.2	1.0
57758	A-Frame Receiver, FR-30 Fault Locator	3.0	1.3
57763	Ground Stake, FT-103	0.2	0.09
57768	Red and Black Test Leads, FT-103	0.2	0.09

Thermal Imagers

RIDGID® RT-3 THERMAL IMAGER

With 160×120 pixels, the RT-3 is the perfect entry into thermography. Visualize temperature differences from 0.12 °C, and automatically recognize hot-cold spots.

FEATURES

- ScaleAssist

RT-3 THERMAL IMAGER SPECIFICATIONS

- Infrared Resolution – 160×120 pixels (with SuperResolution 320×240 pixels)
- Thermal Sensitivity (NETD) – < 120 mK
- Measuring Range – -20°C to +280°C
- Field of View (FOV) – 31° × 23°

Catalog No.	Description	Weight	
		lb.	kg
57533	RIDGID RT-3 Thermal Imager	4.8	2.2

RIDGID RT-5X THERMAL IMAGER

Find the problem with an integrated digital camera and 160×120 pixel thermal images in which temperature differences of 0.10°C are visible. Tap into the thermal app to quickly send reports on site.

FEATURES

- Wi-Fi/App enabled
- Integrated visual camera
- ScaleAssist
- Ɛ-Assist

RT-5X THERMAL IMAGER SPECIFICATIONS

- Infrared Resolution – 160×120 pixels (with SuperResolution 320×240 pixels)
- Thermal Sensitivity (NETD) – < 100 mK
- Measuring Range – -30°C to +650°C
- Field of View (FOV) – 31° × 23°

Catalog No.	Description	Weight	
		lb.	kg
57528	RIDGID RT-5x Thermal Imager with Wi-Fi	4.8	2.2

RIDGID® THERMAL APP

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Thermal Imagers

RIDGID® RT-7X THERMAL IMAGER

Digital camera with 240×180 resolution that can identify temperature differences from 0.09 °C. Tap into the thermal app to quickly send reports on site.

FEATURES

- Wi-Fi/App enabled
- Integrated visual camera
- ScaleAssist
- Ɛ-Assist

RT-7X THERMAL IMAGER SPECIFICATIONS

- Infrared Resolution – 240×180 pixels (with SuperResolution 480×360 pixels)
- Thermal Sensitivity (NETD) – < 90 mK
- Measuring Range – -30°C to +650°C
- Field of View (FOV) – 35° × 26°

Catalog No.	Description	Weight	
		lb.	kg
57523	RIDGID RT-7x Thermal Imager with Wi-Fi	4.8	2.2

RIDGID RT-9X THERMAL IMAGER

Professional imager with 320×240 resolution. Digital camera that can identify temperature differences from 0.06°C. Tap into the thermal app to quickly send reports on site.

FEATURES

- Wi-Fi/App enabled
- Integrated visual camera
- ScaleAssist
- Ɛ-Assist
- Digital Zoom

RT-9X THERMAL IMAGER SPECIFICATIONS

- Infrared Resolution – 320×240 pixels (with SuperResolution 640×480 pixels)
- Thermal Sensitivity (NETD) – < 60 mK
- Measuring Range – -30°C to +650°C
- Field of View (FOV) – 42° × 30°

Catalog No.	Description	Weight	
		lb.	kg
57518	RIDGID RT-9x Thermal Imager with Wi-Fi	4.8	2.2

RIDGID® THERMAL APP

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