

## SeeSnake inspection systems microDrain and microReel



A combination consisting of an extremely flexible yet sturdy glass-fibre push rod with an operational length of up to 30m and an ultra-compact camera head allows you to carry out inspections in places which are otherwise virtually inaccessible or impossible to reach.

Both the microDrain and the microReel inspection systems are able to comfortably navigate 90° pipe-bends with a diameter of at least 40 mm and manoeuvre their way through longer stretches of pipes or ducts without getting snagged or stuck.

The guide balls included in the scope of delivery not only help to keep the camera head properly positioned they also stop the camera and lens from getting soiled and fouled up by the sediments that form at the base of pipes and even add to the SeeSnake's increased manoeuvrability by clearing a path for the probe through blocked or obstructed sections of piping.

### Benefits in practice:

- Easy-to-use professional systems
- Low weight
- Compact and robust construction
- Scratchproof sapphire crystal lens
- Multi-stage adjustable high-performance LEDs
- Camera head and push rod waterproof up to 8.1 bar
- Push rod metre counter (microReel)
- Built-in 512 Hz position finder (microReel)
- Up to 30 m of glass-fibre push rod
- Mains-free operation



## Complete, compact and easy to transport – and ready to use too

Both the microDrain and the microReel SeeSnake inspection systems are ideally-suited for examining service pipes, house drains and waste lines – quite simply for all plumbing inspections in general: they are low in weight, mains-independent and extremely robust.

The camera head's scratchproof sapphire lens and multi-stage high-performance LEDs deliver crisp, clear and conclusive inspection results and the camera head itself is protected by a stainless-steel housing with a transparent shockproof cover which means that it can comfortably cope with the heavy demands which daily use put on it.

The microReel inspection system is also equipped with a push rod metre counter and a position finder in the camera head which allow the user to determine the exact position of the probe and gain valuable information about the path of the pipes, ducts or waste lines.

**Now here comes the clever part:** [microExplorer, an independent digital inspection camera included in the scope of delivery](#), can be used to optimize operations, enhance image presentation and power your systems while producing conclusive photo and video documentation on the condition of pipes and other plumbing systems!



The innovative SeeSnake microDrain and microReel inspection systems from Trotec all come with the groundbreakingly innovative [micro Explorer](#) digital inspection camera and a hard-wearing hard-shell plastic case to protect your prized possession against knocks and bumps during transport and to allow you to stow it away for safekeeping when you don't need it.

## Micro Explorer digital inspection camera



The microExplorer digital inspection camera is a compact professional videoscope designed to enable you to carry out inspections of otherwise inaccessible diagnosis locations with small or narrow openings.

The microExplorer comes standard equipped with a semi-flexible, 90cm long videoscope probe and an optionally available additional 9 m of push rod for added efficiency.

The system itself is incredibly easy to use: it is equipped with an intuitive multilingual menu navigation system and a variety of innovative features including a zoom function, a swivel-mounted probe head that uprights automatically and a light intensification mode to give you just that extra bit of detail that you need to carry out precise and flawless inspections.



The aluminum camera head, which is well-protected behind a scratchproof sapphire lens, and the super-bright LEDs provide detailed inspection results which can be viewed on the crisp, clear 3.5-inch LCD monitor or recorded as a photo or video recording with voice annotations.



**Benefits in practice:**

- Robust videoscope probe with waterproof aluminum camera head
- Exceptionally bright quad-LED illumination with brightness control
- Flexible photo or video documentation
- Bendable, semi-flexible probe with self-levelling camera head
- Crisp and clear 3.5-inch LCD monitor
- Mobile, mains-free operation
- Includes side-view mirror, hook and magnet attachment
- Different interchangeable probes available as optional accessories

There is also an internal memory which can be expanded using optional SD cards whereby the data can also be transferred to a PC quickly and easily via the integrated USB interface.

The USB connecting cable is, as you would hope, included in the scope of delivery along with a selection of extremely useful tools like a side-view mirror and a hook and magnet attachment which you can use to carry out even more applications.

## Technical data – SeeSnake Inspection Systems

Technical data	SeeSnake microDrain	SeeSnake microReel	microExplorer
Article number	3.110.007.021	3.110.007.031	3.110.007.019
Probe	10 m push rod (ø 8.3 mm) navigates 90° bends and 40 mm pipes	30 m push rod (ø 6.7 mm) navigates 90° bends and 50 mm pipes	Semi-flexible, length 90 cm
Range of vision/Focus range	1 cm to ∞	1 cm to ∞	2.5 cm to 30 cm
Display	SeeSnake microExplorer		3.5-inch colour LCD
Camera head	ø 22 mm	ø 25 mm	ø 17 mm, self-levelling
Illumination	3 Lux LEDs		4 white LEDs
Video resolution	510 x 496 pixels		320 x 240 pixels
Camera head protection	Shockproof cover with sapphire crystal lens, waterproof up to 8.1 bar	Shockproof cover with sapphire crystal lens, waterproof up to 7 bar	Shockproof cover with sapphire crystal lens, waterproof up to 0.3 bar
Interface and memory	microExplorer system interface		Mini-USB, SD card slot, additional slot for audio recorder, 3.5 mm jack plug (audio in/out), 6 MB internal memory
Functions and features	Colour camera	Colour camera, push rod metre counter, integrated 512 Hz transmitter	Colour camera, automatic self-levelling; video recording, photo recording (1024 x 1280 JPG), optional audio recording
Power	Li-ion rechargeable batteries (microExplorer) / 1.5 hours operating time		Li-ion rechargeable batteries (approx. 4 hrs operating time)
Environmental conditions	5 °C to 46 °C (storage -20 °C to 70 °C), 5 % to 95 % RH		0 °C to +45 °C (storage -20 °C to +70 °C), 5 % to 95 % RH (non-condensing)
Dimensions L x W x H	324 x 115 x 483 mm (drum)	324 x 114 x 483 mm (drum)	267 x 105 x 60 mm
Weight	3.9 kg	4.7 kg	1.3 kg
Scope of delivery	microDrain SeeSnake incl. microExplorer, a guide ball, microExplorer connecting cable, operating instructions	microReel SeeSnake incl. microExplorer, two guide balls, microExplorer connecting cable, operating instructions	microExplorer with 90 cm probe, mirror, hook and magnet attachment, Li-ion rechargeable batteries, charger, USB cable, carry case, user's manual
Optional accessories	with built-in 512 Hz transmitter	without integrated push rod metre counter	optionally extendable to 90 cm, optionally extendable to 180 cm, camera head ø 9.5mm / length 90 cm, audio recorder, car charger