

UT 9200 • 9100 • 930

Reliable pipe location.
easy – always – efficient



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A new dimension in pipe location

Locating underground pipelines and cables is a matter of precision. The more accurate the measurement, the lower the risk of digging up the wrong spot. Performance, practical handling and simple operation are just as important for fast and efficient work. Likewise, reliability, versatility and a sturdy design are also essential for obtaining measuring safely in difficult conditions and inaccessible environments. The **UT 9200**, **UT 9100** and **UT 930** systems are up to any locating task.

Cutting-edge technology for outstanding performance

The systems feature a multitude of frequencies, extremely long battery life, surprisingly simple operation and, above all, versatile functionality – allowing you to master any work challenge.

The **UT 9200 R** and **UT 9100 R** receivers are best combined with the **UT 9012 TX** generator, the most powerful transmitter in its class at 12 Watt.

The **UT 930 R** receiver offers seven different frequencies and is combined with the **UT 935 TX** 5 Watt transmitter.

The possibilities of the systems are phenomenal: find the optimal frequency immediately, connect two pipes at the same time or locate very long sections of pipe. Accurately locate pipes in difficult environments and all weathers, or reliably determine the depth of the pipe. Thanks to the inbuilt GNSS module, the **UT 9200 R** receiver can link location data to position data and read it out via the **UT 9200 Com** app – helping you to work quickly, accurately and economically!



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So simple

Operation made easy

Use the **UT 9200**, **UT 9100** and **UT 930** systems without extensive training. The receivers and generators have a logical operating concept. The structured menus on the receiver and generator screens show both intelligible symbols and textual information, and thus reliably guide you to successful location.

Intelligent frequency selection

The **UT 9200 R** and **UT 9100 R** receivers can scan the ambient noise, detect any interference signals and suggest the optimal frequency for passive or active location. This speeds up your work and makes location more reliable.

Comfortable

The balanced receivers fit nicely into the hand, ensuring ergonomic carrying comfort and effortless work.

The right frequency for every task

Adjust the **UT 9200**, **UT 9100** or **UT 930** systems to your needs. There are plenty of frequencies available for the receivers and generators. The desired frequencies can be enabled or disabled directly in the devices. However, if a frequency is missing, you can install it yourself in the receivers and generators using the **UT configurator** software. This ensures your **UT 9200**, **UT 9100** or **UT 930** meets your personal requirements.



Always ready for use

Reliable depth measurement

If the receiver is directly above a pipe, the depth of the pipe is determined automatically. The calculated value is the distance between the bottom edge of the receiver and the centre of the pipe. The highly sensitive aerials in the receivers ensure above-average location success rates and exceptionally attainable depths.

Brilliant display

The display is perfectly legible at all times, even in the brightest sunshine or in the dark. The clear and coherent layout of directional arrows and measurements makes work easier and reliably guides you to your objective.

Maximum availability

Benefit from extremely long operating times: 30 hours for the **UT 9200 R**, **UT 9100 R** and **UT 930 R** receivers, 100 hours for the **UT 9012 TX** and **UT 935 TX** generators. High quality batteries maximise the availability of the devices and mean that you can work without interruption and independently of external power sources.



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Impressively efficient

Powerful performance

The **UT 9012 TX** generator transmits at 12 Watt, offering unrivaled performance. You can track signals for longer and reliably locate even the longest of pipe sections.

Precise depth measurement

If you're not sure about the accuracy of a depth measurement, you can easily and conveniently verify the values using the offset depth according to the 45° method (triangulation method). This gives you even more reliable and accurate results. The offset depth measurement returns first-class values, even when obstructions above the pipe in question prevent a direct depth measurement.

Handy remote control

The handy remote control for the receivers allows you to effortlessly toggle the frequency and performance of the **UT 9012 TX** generator from afar. This saves tedious running backwards and forwards, and thus time. If the generator is used with a splitter cable set and you connect two pipes at the same time, you can use the remote control to select which pipe you want to energize.

Avoid errors where there is a high pipe density

If there are many pipes close together, there is the risk that signals might skip over to adjacent pipes as a result of a phase shift in the current. If you use the direction recognition function, the **UT 9200 R** and **UT 9100 R** receivers show you if you have left the energized pipe and are instead tracking a different pipe that the signal has skipped over to.



Automatic gain control mode

Long trunk mains can be particularly efficiently located in automatic mode. In this special mode, the receiver uses two different sounds to signal on which side of the pipe you are standing. The gain is automatically corrected so that a good signal is always displayed. Automatic mode means that pipes can be located quickly and efficiently.

Location and measurement

The **UT 9200 R** receiver features a GNSS module for determining the geographical position. When saving the measurement data, it also saves the current position of the receiver. Geographic data is thus added to the location data. Both these data types can be read out and displayed on mobile terminal equipment using the **UT 9200 Com** app. If position information is required to the centimeter, the **UT 9200 R** receiver can be connected to a GNSS aerial by Bluetooth. Thus the **UT 9200** system enables location and measurement in one step.

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Flexible use

Passive location

Passive location involves locating signals already present on cables or pipes with just the receiver. This method is ideal for active power and telecom lines as well as metal gas and water pipes.

Active location

With active location, the **UT 9012 TX** or **UT 935 TX** generator generates an electromagnetic field around the metal pipe to be located. The pipe can be energised by direct contact or – if there is no access – by induction. The process allows precise location results, even in challenging environments.

Location with probes

Using probes for the location process means that non-metal pipes can be located by inserting a glass fibre rod into the pipeline in question. The glass fibre rod is fitted with an embedded copper strand so that it can be energised by the **UT 9012 TX** or **UT 935 TX** generator and located using the **UT 9200 R**, **UT 9100 R** or **UT 935 R** receiver. Probes can determine the path of the pipe in question very quickly and accurately.

A sonde is used to clearly determine the end of the glass fibre rod. These small, battery-operated transmitters generate their own electromagnetic field. In the **UT 9200 R** and **UT 9100 R** receivers, a special location mode for probes helps ensure precise location. The exact depth can also be measured. The sonde can also be used without a glass fibre rod. This opens up a wide variety of uses with pipeline cleaning pigs, channel cameras and other applications.



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The right system for every detection task

You'll be ready for every challenge with SEWERIN's receivers and generators.



Receiver

Receiver	UT 930 R	UT 9100 R	UT 9200 R
Suitable generators	UT 935 TX	UT 9012 TX UT 9005 TX	UT 9012 TX UT 9005 TX
Number of frequencies	7	30	100
Individual frequencies possible	X	X	X
Passive location (current/radio)	X	X	X
Automatic mode (auto gain)	X	X	X
Current direction detection		X	X
Location mode for locating probe		X	X
Receiver – generator bidirectional communication		X	X
Ambient noise detection		X	X
Double output		X	X
Offset depth measurement		X	X
Special receiver accessories: step voltage probe, marker ball antenna, receiver clamp etc.			X
Internal GNSS module			X
Measuring data memory			X
App for data transmission			X
Bluetooth for external GPS			X



Generators

Generator	UT 935 TX	UT 9005 TX	UT 9012 TX
Suitable receivers	UT 930 R	UT 9100 R UT 9200 R	UT 9100 R UT 9200 R
Output power	max. 5 Watt	max. 5 Watt	max. 12 Watt
Frequencies	7	70	70
Receiver – generator bidirectional communication		X	X
Double output		X	X

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Accessories for special locating tasks

Various accessories for the receivers and generators offer virtually unlimited possibilities for location. This means you are perfectly equipped for every task.

Marker ball antenna

Special fittings, terminals, casing patches... marker balls are used wherever special sections of the pipeline network need to be marked. The marker ball antenna and **UT 9200 R** receiver can locate these passive markers.

Step voltage probe

Cable errors can be located with a step voltage probe connected to a **UT 9200 R** receiver.

Receiver clamp

A receiver clamp can be used to locate cable bundles.

Receiving aerial

A receiving aerial can be used to locate individual conductors in cable bundles in electrical installations.



System accessories

Accessories vary according to model. Please see our product range for further information.

- Splitter cable
- Cable clamp 5"
- Flexible cable clamp **AZ 14**
- Lithium-ion rechargeable battery
- Fibre glass rods
- Sonde
- Cable drum
- Valve box hammer and lifter





UT 9200 Com app

Documenting location

The **UT 9200 Com** app can be used to read out location data and geographic positions stored in the receiver from the **UT 9200 R** receiver. Measurements are displayed in the app's map view. Selecting a location point displays details such as the type of utility, location mode and the depth of the pipe. You can conveniently send all the data from your computer to the office by email for example, thus allowing you to document locating operations perfectly.

The **UT 9200 Com** app is available free of charge for Android and iOS from the respective stores.

UT configurator software

Customise devices

The receivers and generators can be tailored to your needs using the **UT configurator** software. For example, you can select frequencies from a list and transmit them to the devices. If an urgently required frequency is missing from the list, you can simply create it yourself. Furthermore, the start screens on the devices, for example, can be customised with a company logo. The software also installs updates on the devices. This ensures your **UT 9200**, **UT 9100** or **UT 930** is always up to date and meets your personal requirements.



Please see our extensive range of products for further information about the technical details and accessory parts.