UTILITRAC - PIPE, CABLE, CAMERA AND SONDE TRACER

SEWERIN Technologies for leak detection.

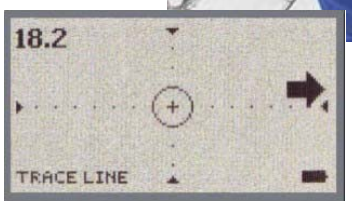
- Often the exact position of pipes and cables is unknown due to inaccurate or non existent network plans.
- In order to carry out precise water leak detection and to avoid damage to utilities and operators during excavations, it is essential to know the position of all services
- Inspection cameras with on board transmitters (sondes) can be traced with the R130

A UTILITY TRACER NOT A CABLE AVOIDER

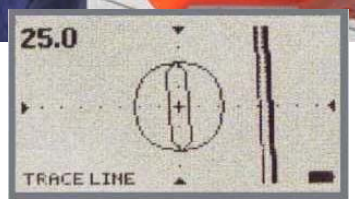
- Many pipe and cable tools were designed as "**C**able **A**voidance **T**ools" and were primarily to assist construction personnel "Avoid" striking electrical cables and injuring themselves. However, it is often necessary to trace the route of a service accurately not simply avoid hitting them.
- The Sewerin UtiliTrac makes this task easier than ever for both the experienced and inexperienced operator

WHAT MAKES THE UTILITRAC DIFFERENT?

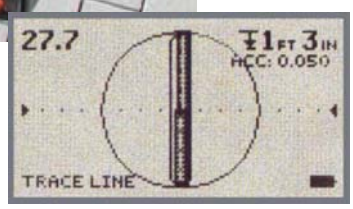
- LCD screen offers visual display of intended target as well as audio indicators provides both location and orientation of sondes or cameras
- Compatible with almost every sonde on the market (stand alone or built-in camera heads) Uncomplicated and intuitive user interface that simplifies and speeds up location
- Will automatically scan and tune into any catalogued frequency between 50Hz-200KHz - use it with your existing signal generator, sondes (mouse) or camera
- Search direction indicators - where is the pipe? Signal strength, Sensitivity - automatic gain and manual set - up options
- Automatic depth and accuracy reporting
- Single trigger control to select all functions on an on screen user guidance menu
- Durable, high impact ABS construction
- Lightweight and compact; Just over 1.9kg.
- Powered by 8 "AA" batteries. (Up to 20 Hrs.)



As you approach the service the receiver display will show an arrow icon indicating from which direction the signal is coming and hence in which direction the service lies...



As you move closer to the service a pictorial representation of the line under test appears on one, or the other, side of the display screen...



To pinpoint the target pipe or cable simply centre the line image into the crosshairs and the depth to the service will appear in the upper right hand corner. The field strength will appear in the upper left hand corner; a high value increases your confidence in the target's location.

COMPACT STORAGE

- The UtiliTrac is the first pipe locator that folds in on itself to save space.
- The R130 UtiliTrac is carried and stored in its own signal generator case and uses minimum storage and transport space

SIGNAL GENERATOR

- Up to 10 W transmitting power adjustable
- High performing rechargeable lithium ion accumulator up to 36 Hrs
- Simultaneous tracing of two services with different frequencies. Easy distinction between two parallel or close utilities
- Strong inductive transmitting power thanks to a patented antenna construction

TECHNICAL SPECIFICATIONS

Fibreglass reels to trace non metallic pipes and carry sondes

Induction clamp

Accessory bag mounts on case

Range of sondes/ mice to locate blockages or end points

R130 Receiver		G100 Signal Generator Transmission frequencies	
Active reception frequencies	**Passive reception frequencies**	**Galvanic mode (direct connection)**	**Inductive transmission**
512Hz	Power - 50Hz	512Hz	-
640Hz	Power 1- multiple of power 50Hz	8kHz	
1.1kHz	Power 2- multiple of power 50Hz	-	
8kHz	Radio Re-radiated radio signals	-	
9.8kHz	CPS Cathodic protection	-	
9.95 kHz	C.A.T.V. - 30-35 kHz	-	
33kHz	-	33kHz	
41.66kHz		-	
51.2kHz		51.2kHz	
65kHz		65kHz	65kHz
82kHz		-	-
82.3kHz		-	-
83kHz		83kHz	83kHz
98.2kHz		-	-
116kHz		116kHz	116kHz
126kHz		126kHz	-
131kHz		131kHz	-
200kHz		200kHz	-

	R130 receiver	G100 - Signal Generator
Power source	8 AA alkaline batts.	Li-ion 55Wh rechargeable or 8 C cells. (C cells requires alternative battery holder). Output: 10W
Operating time	Up to 20 hrs	Up to 36 hrs
Protection rating	IP54	IP54
Weight	1.9kg	5kg