



The multi-frequency line locating system

Special features

- Precise direction guidance with right/left arrows and guidance compass
- SiS („Signal Select“) and SD („Signal Direction“) for reliable line identification
- „Distortion Alert“ for signal evaluation
- Internal GPS receiver and data storage
- Permanent depth or signal current intensity measurement



Description

The new **vLoc-5000** from SebaKMT is the most state-of-the-art line location system on the market. It includes several functions that facilitate your daily location work and makes the results more reliable and informative.

The centrepiece of the vLoc-5000 line location system is the **multi-frequency receiver**. The main task of the receiver of a line location system is to give precise information on the position of the target conductor, in particular the location and the depth. However, problems occur repeatedly during the line location process, e.g. field distortions caused by discharge or the coupling of neighbouring lines.

The **GPS receiver** in the vLoc 5000 enables the user to save the current coordinates at the touch of a button.

With the **MyLocator2 software**, the coordinates can then be saved in various formats and exported into existing GIS systems or into Google Earth.

The line locating system includes the vLoc 5000Tx with a transmitter power of 10 W and all the features required for locating, such as:

- multi-metre function for I, U, R
- wide frequency spectrum, including SD and SiS frequencies
- automatic recognition of accessories





vLoc-5000

Technical data

vLoc 5000 Rx (receiver)	
Frequency range	Passive: current, radio, 100 Hz (CCP) Active: 98 Hz to 200 kHz incl. SD and SiS frequencies
Weight	2.1 kg
Depth measurement	0 to 10 m (depending on the signal strength)
Operating time at 21 °C	approx. 40 hours (Li-ion rechargeable battery) approx. 12 hours (batteries)
Power supply	Li-ion rechargeable battery system, alternative 6 x 1.5 V AA alkaline batteries
Temperature range	-20 °C to +50 °C (in operation) -40 °C +60 °C (in storage)
Dimensions (W x H x D)	262 x 122 x 639 mm
Protection class	IP 54
vLoc 5000 Tx (transmitter)	
Transmitted power	Adjustable up to 10 W (autom. adjustment)
Frequency range	22 Hz to 200 kHz incl. SD and SiS frequencies
Weight	3 kg (without batteries)
Operating time at 1 W output	approx. 20 hours (battery operation) approx. 50 hours (NiMH rechargeable battery)
Power supply	12 x 1.5 V D-cell alkaline batteries NiMH rechargeable battery system available as an optional extra
Temperature range	-20 °C to +50 °C (in operation) -40 °C +60 °C (in storage)
Dimensions (W x H x D)	420 x 180 x 185 mm
Protection class	IP 54

Scope of delivery

- » vLoc-5000 Rx (receiver), vLoc-5000 Tx (transmitter)
- » Connection lines
- » Earthing rod
- » Operating manual
- » Case

Accessories

- » A-frame antenna for sheath fault location
- » 12 V motor vehicle charging cable for Rx
- » 50, 100, 125 mm standard transmitter tongs for Tx
- » 100 mm special transmitter tongs for SD and SiS function
- » Standard reader coil for Rx
- » Special reader antenna for SD and SiS function
- » Battery version with charging unit for Tx
- » 12 V motor vehicle or 230 V network cable Tx
- » Various probes for locating non-metallic lines
- » More special accessories on request

Features

The vLoc-5000 receiver has new evaluation options that reduce the current subjective assessment during the location process, thus increasing the locating accuracy.



One evaluation option is referred to as „Signal Select“. It allows the target line to be identified clearly by means of a positive or negative sign.



The second option is referred to as „Distortion Alert“. An indicator analyses the quality of the received signal and any field distortions are indicated.

The less red the colour of the indicator is, the better the received signal is.

The line direction is also displayed in this indicator by means of a guidance compass. The course of the pipeline can thus be identified clearly and branches can be found quickly and reliably.