

**Megger**

**Easyloc**  
Line Location System

## Easyloc Line Location System



- **Locate underground cables and pipe lines quickly and effortlessly**
- **High dynamic range in passive mode**
- **Direct connection, inductive coupling and general induction active modes**
- **Receiver is compatible with all industry standard 33 kHz transmitters**
- **Self-calibration function ensures measurement accuracy**

### DESCRIPTION

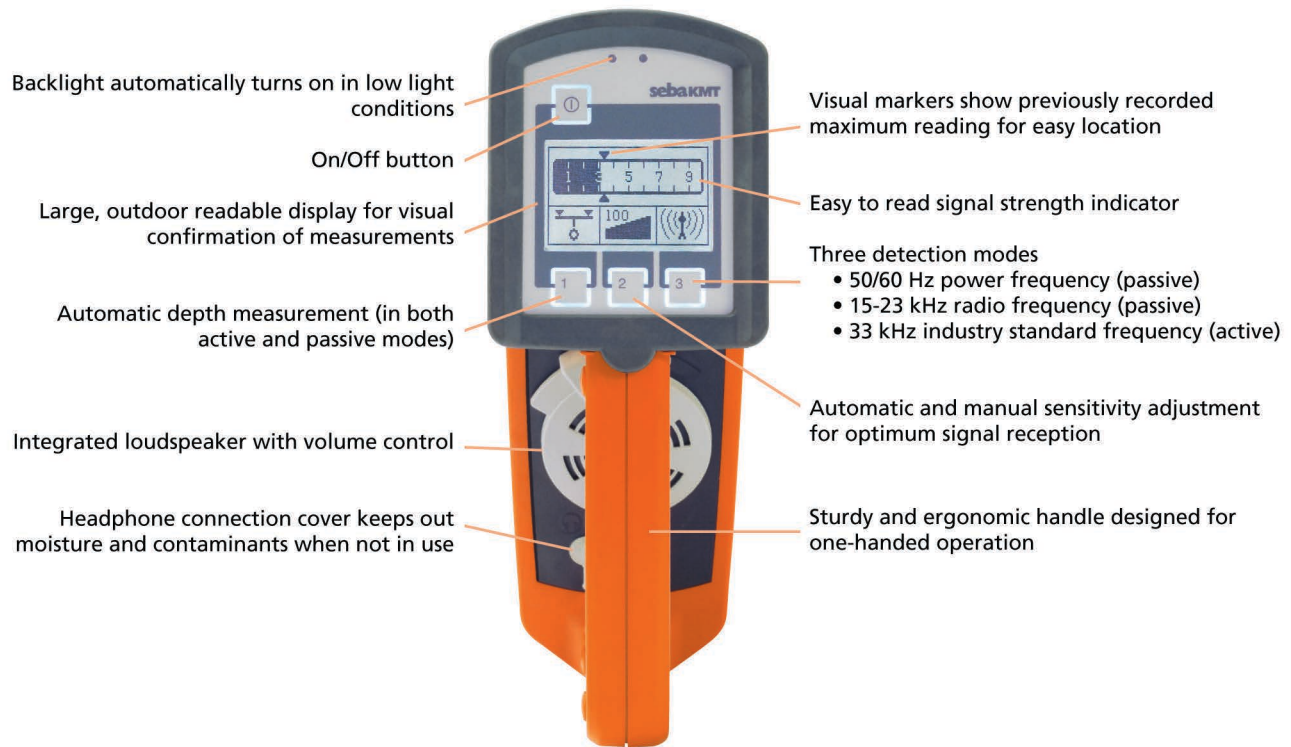
Most accidents involving underground cables are caused by the failure to locate buried cables before excavation. The costs of such accidents are significant, and usually not just limited to the financial cost of repairing the cable. Consequences can include severe injuries, disruption of services to end users, decrease in lifespan of the damaged cable, and project delays due to repair work. The complexity of locating sub-surface cables has increased, with telecommunications and utility lines all being moved underground in greater numbers and in closer proximity. However, cable avoidance tools have also improved to meet the challenge.

The Easyloc is an automatic line location system, designed to detect underground cables and pipe lines quickly and effortlessly. The Easyloc system comprises of the Rx receiver and the Tx transmitter. The standard receiver can be used without a transmitter (passive mode) to locate cables and measure depth with 50/60 Hz power frequency. The receiver has a high dynamic range, allowing it to distinguish three-phases on live cables without saturating.

With the battery powered 0.5 W transmitter, the Easyloc can perform active detection with direct connection, inductive coupling and general induction modes. The receiver can also be used with any transmitters that use the 33 kHz industry standard frequency. The self-calibration function ensures that you always get accurate results without the high maintenance costs.



## FEATURES AND BENEFITS



## SPECIFICATIONS

Rx receiver (Standard/Basic)		Easyloc Tx transmitter	
<b>Frequency ranges</b>	<b>Radio:</b> 15 kHz ... 23 kHz <b>Power network:</b> 50 Hz ... 250 Hz <b>Easyloc Tx/Probe:</b> 33 kHz	<b>Transmitted power</b>	0.1 W / 0.5 W (switchable)
<b>Location depth (probe)</b>	0.3 ... 7 m (1–23 ft)	<b>Frequency</b>	33 kHz
<b>Location depth (cable)</b>	0.3 ... 5 m (1–16 ft)	<b>Type of signal</b>	Pulsed/continuous signal (switchable)
<b>Operating time</b>	> 40 hours	<b>Operating time</b>	>40 hours
<b>Power supply</b>	10 x IEC R6 1.5 V (AA battery)	<b>Power supply</b>	6 x IEC R20 1.5 V (D battery)
<b>Temperature range</b>	<b>Operation:</b> -20 °C ... +55 °C (-4–131 °F) <b>Storage:</b> -40 °C ... +70 °C (-40–158 °F)	<b>Temperature range</b>	<b>Operation:</b> -20 °C ... +55 °C (-4–131 °F) <b>Storage:</b> -40 °C ... +70 °C (-40–158 °F)
<b>Weight</b>	2.5 kg	<b>Weight</b>	2.6 kg (5.7 lbs)
<b>Dimensions</b>	10 W x 67 H x 26 D cm max. (3.9 W x 26.4 H x 10.2 D in.)	<b>Dimensions</b>	14 W x 26 H x 25.5 D cm (5.5 W x 26.4 H x 10.0 D in.)
<b>Protection class</b>	IP 56		

## ACCESSORIES



### Pipeline transmitter sonde (MLS 55-3)

The pipeline transmitter sonde is a slim, battery powered mini-transmitter with a range of 16 ft, useful for locating ductworks or blockages. It comes with three adaptors so that it can be attached to a wide variety of drain rods, fiberglass push/pull rods or cables. A heavy duty protective cover is available.



### House connection set

The house connection set allows the Easyloc transmitter to be connected to standard household electrical, cable TV and telephone sockets. Service branches to the trunk line can easily be traced this way with very high accuracy.



### Transmitter clamp (100 mm)

The transmitter clamp is used to induce signals into the cable for detection during cable tracing. This coupling provides a stronger signal for more precise tracing compared to general induction or passive detection. The clamp can be used on both live and de-energized cables.



### Flexitracer (GOK 50-R)

The GOK 50-R is a reel of fiberglass cable with an integrated pig transmitter at the tip. It can be used with the Easyloc to trace non-metallic pipes and ducts or to find the location of pipe ends or blockages. Different cable lengths are available.

## ORDERING INFORMATION

Item	Cat. No.	Item	Cat. No.
<b>Complete Easyloc set</b>	890005617-S	<b>Optional accessories</b>	
Easyloc Rx Standard receiver, Easyloc Tx transmitter, earthing kit, earthing spike, carrying bag, operating instructions		<b>Headphones</b>	890008650
<b>Easyloc Rx Basic receiver set</b>	8900010236	For use of the equipment even in a loud environment	
Easyloc Rx Basic receiver, operating instructions		<b>Pipeline transmitter</b>	810696
<b>Easyloc Rx Standard receiver set</b>	890003780	18.5 mm, 33kHz	
Easyloc Rx Standard receiver, operating instructions		For locating non-metallic pipes with Easyloc Rx	
<b>Easyloc Tx transmitter set</b>	890005586	<b>Transmitter clamp 100 mm</b>	820005314
Easyloc Tx transmitter, earthing kit, earthing spike, operating instructions		For putting a transmission signal onto cables under power	
		<b>House connection set</b>	890008854
		Comprising connection leads for direct connection for power supply, cable TV and telephone lines	

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