

MIT-CABLE DETECTOR

Fast and simple location of buried cables and metal pipes

The MIT-Cable Detector is an easy-to-use device designed for the detection of cables and metal pipes in the ground. Due to its easy handling, it is optimally suited for checking the presence of cables and metal pipes before commencing any excavation work.



MIT-Cable Detector

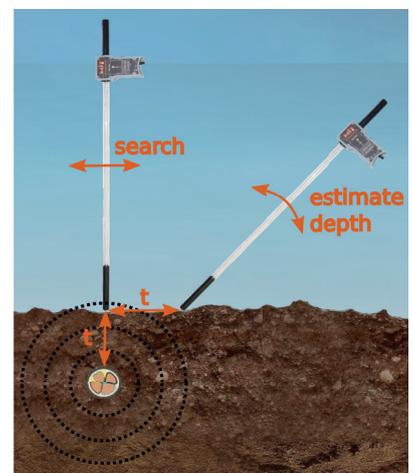
Robust construction for day-to-day use, functional design for intuitive operation

Application/Advantages

- ✓ Detects cables and metal pipes in the ground
- ✓ Estimates the depth of the located cable
- ✓ For both passive and active location of cables/pipes
- ✓ Inspection of the subsoil to ensure safe excavations
- ✓ Suppression of radio interference by two oppositely directed antennas

Operating principle

Long cables and metal pipes act like a receiving antenna that are able to pick up electromagnetic fields (e.g. from long-wave transmitters). This leads to magnetic field noise generation around the cables. The MIT-Cable Detector receives the magnetic noise and converts it into audible signals. To perform a search, the device must be moved over the search area. A sound signal indicates the localization of a cable. Additionally, its depth can be determined by tilting the device. The supplementary transmitter also allows cables to be traced that emit only a weak signal.



Additional transmitter for active localization

Technical information

MIT-Cable Detector		Signal generator	
Frequency	133 kHz \pm 7.5 kHz	Frequency	133 kHz \pm 2 kHz
Dimensions	100 x 14 x 3.5 cm	Transmitter dimensions	\varnothing 2 x 28 cm
Weight	400 g	Battery compartment dimensions	\varnothing 2 x 25 cm
Temperature range	-20 °C to 50 °C	Power supply	4 x AA batteries
Power supply	9 V block (20 h approx.)		
Ports	3.5 mm stereo socket		