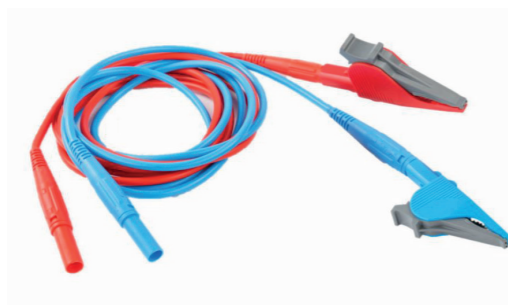


Underground cable and pipe locator

MRT-700

MRT-700 locates Underground Cable and Pipes quickly and easily with accurate confidence energized and de-energized cable, in MV and LV distribution networks. Specially designed for Utilities to trace **lines and pipes** in their distribution networks.



- 7 Sensors strategically distributed
- 10W Output Power selectable by user
- High Precision (<5% in all axis)
- Detects 4 active y 2 passive frequencies
- Measurement of the depth and current amplitude
- Virtual cable representation in TFT LCD color display
- Correct performance >10 km in length
- Up to 10 mts depth
- Depth measurement (5% precision)
- More than 12 h operation time
- Rechargeable internal battery
- Operation temperature -20 °C / +60 °C
- Protection: IP54

Advanced Features

Mapping of the underground facilities



GPS on-board

The SIMPLE way to digitise the route you are tracing, using the internal GPS. Just press the button two seconds over the cable, and the point parameters (GPS location, current, depth...) will be recorded in the device's internal memory. Export data in KML files.

Digitalisation app

The most ACCURATE way, to draw the cable routes in the map of the tablet. Tablet's GPS is use only for pre-location. However, a high accuracy location is obtained by placing the point manually in the map, as per surrounding references (building, tree, street corner..). It can either store/visualise the work directly in **GridGIS Map Creator** app, or export it (as *.Json) to another GIS system.



Note: The MRT-700 is also used by topography companies where extremely high precision is required by connecting the device to an external GPS.

GridGIS Map Creator

Digitalisation app that allows to:

- > Storage the route in digital format
- > Import/export of files compatible with GIS systems
- > Suitable to map of piping network directly in the field



Develop by Ariadna Grid.
www.ariadnagrid.com



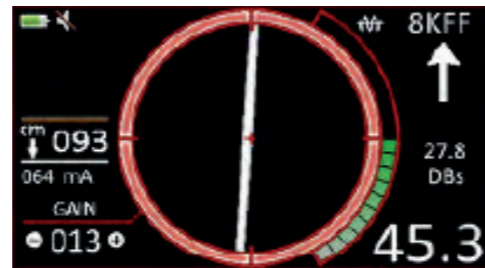
Fault Pinpointing Functionality



MRT-700 with Fault Pinpointing Functionality detects faults on pipes and cables, caused by the deterioration of the coating on the pipe and damage in the cable isolation, leading to a current leak to ground.

An **exact location** of cable sheath damage
High precisión within 5 cm
Cable route tracing and fault pinpointing, at one time
 Supplied with a special injected frequency - **8KFF**
 Display with 2 visualization mode Basic and Advanced (Dual)
 A-frame, robust structure with 2 spikes for measurements

Depth and inject current



Injected frequency

Location of the fault

How far the fault is

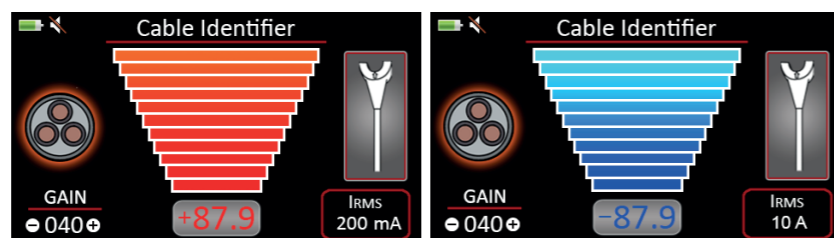
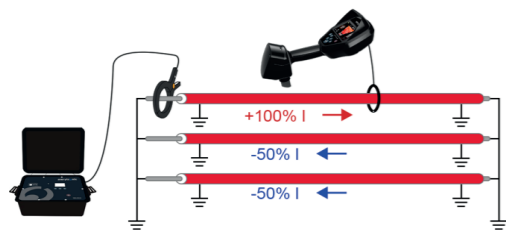
Display Mode Advanced

Cable Identifier for Electric Safety activities



In electrical maintenance work, in order to comply with safety standards, it becomes necessary to **identify de-energized cable** prior to its manipulation. The MRT-700 allows to realize the cable identification **with total reliability**.

Any type of cable
 Detects amplitud and polarity of the active signal



Display Cable Identifier Functionality

Underground cable and pipe locator
 Distribution network mapping solution

MRT-700

Contact us for more information: