

MRT-700 Underground Cable and Pipe Locator maps quickly, easily and accurately energized and deenergized MV and LV distribution networks.



MRT – 700TX Transmitter



MRT – 700RX Receiver

Specially designed for Utilities to trace lines and pipes in their distribution network

MRT-700 Special Features

- 7 Sensors
- High Accuracy
- High Definition
- 2D LCD Display
- Sunlight Readable color display
- Easy drive (intuitive performance)
- Low Weight

MRT-700TX Transmitter

Versatility: Injects 3 active tracing frequencies; 575Hz, 8KHz and 32KHz by three different and optional way;

- **Direct** connection with alligator clamps
Deenergized electric cables, telephone cables, water and gas metallic pipes, etc.
- **Induced** with a Clamp
Energized & Denergized MV and LV cables, telephone cables, etc.
- **Built-in Antenna**
In case user, cannot reached cable, or its position is unknown, induction can be made from the earth surface using a built-in antenna



Power: Power Output Selectable by user up to 10 Watts.

Accuracy: Measures loop impedance, making it possible to choose the best working frequency for each case.

MRT-700TX Transmitter Specifications

Output Frequencies: 575Hz, 8KHz and 32KHz

Connection Options: Direct, Induced or Built-in Antenna

Power Source: Built-in rechargeable Li-Ion Battery

Operation Time: >10h at max power

Weight: 3.1 Kg



MRT-700RX Receiver

Information Displayed

- Depth
- Current amplitude
- 50Hz cables discrimination antenna
- Gain
- Compass for cable direction
- Tracing frequency
- Mode
- Signal power



Push Buttons

- Menu
- Frequency Selector
- Mode Selector
- Manual Gain increase
- Manual Gain reduction
- Automatic Gain Increase/reduction

Fully Digital 2D LCD display with complete information to trace underground cables in an easy drive and light receiver

Versatility; Detects 3 active signals (sent by the MRT-700TX Transmitter) and 2 passive frequencies (50/60Hz)

Easy to use; Its built-in antenna configuration automatically calculates the target position with a digitally processed Algorithm.

Intuitive Performance; A large 2-Dimension LCD screen indicates distance and angle to the cable or pipe to be located by a very intuitive graphical representation.

Continuous depth; It measures automatically pipe's and cable's depth with high accuracy in real time.

Main features:



- Locates and traces underground pipes and cables
- Detects 3 active and 2 passive frequencies
- High Accuracy
- 2D LCD Display
- Easy and Intuitive performance
- Bluetooth Connectivity
- Correct Performance exceeds 10 km in length
- Measures cable depth in cm and inch
- Measures current amplitude of detected active frequency
- Max. Depth: 5 meters
- Depth measurement precision: 5%
- Operation time at max power: >10h
- Enclosure: IP54
- Operation temperature: -20°C / +55°C

MRT-700-RX Receiver Specifications

Trace Frequencies: 640Hz, 8KHz and 32KHz

Passive Power Trace: 50Hz, 60Hz

Power Source: 4- Li-Ion Battery

Operation Time: >10h at max power

Weight: 1.5 Kg

MRT-700 complies with security standard IEC61000-6-2 / 61000-6-4 / 61010-1 CATIV

Power cable identification and location solutions