

C.SCOPE

HIGH PERFORMANCE

Multi Frequency digital pipe and cable location equipment with in-built data logging, Bluetooth™ connectivity and GPS tracking options.



MXL4 Multi Frequency
PRECISION LOCATOR
with Visual Display
and Data Logging

MXT4 Multi Frequency
TRANSMITTER
with Visual Display
and Data Logging

The MXL4 & MXT4

The C.Scope MXL4 Precision Locator and MXT4 Transmitter represent a significant advance in cable detecting and tracing capabilities. Innovative new features have been introduced enabling the MXL4 Locator and MXT4 Transmitter to provide high-end precision performance and a far more flexible approach to pipe and cable location.

The MXL4 is able to quickly and accurately detect, pinpoint, trace and identify the widest range of pipes and cables. Optimised **Locator Sensitivity** and **Noise Rejection** means that the MXL4 can deal with the highest levels of background interference found, allowing even the weakest of signals to be detected successfully.

Intelligent features such as **PeakHold** allow operators to confidently pinpoint the exact position of buried services. A clever **Alarmzone™** feature alerts operators to the presence of particularly shallow pipes or cables with the exact trigger depth adjustable by the user to best suit local requirements. A dynamic **SwingSensor** gently alerts the operator if the Locator is being swung excessively, potentially compromising the accuracy of any locates.

The MXT4 Transmitter now has a greater range of transmitting frequencies allowing improved long distance tracing and utility identification, even on the most congested of sites. A range of frequencies from 512/640Hz up to 131kHz and including the **simultaneous dual-frequency 33kHz and 131kHz** signal output is ideal for maximising the number of buried services that can be energised and then detected. The MXL4 can apply these signals without direct connection to buried services, using either a Signal Clamp or the simple induction method from ground level, providing a significant improvement in the detection of the smaller diameter or poorly earthed cables.

The MXT4's fully adjustable **One Watt Power Output** means that deeper pipes and cables can be effectively energised and then traced over ever longer distances.

To compliment and support in-built data logging on the MXL4 Locator, the MXT4 Transmitter also has **full data logging capability**. In normal usage, a years' worth of data can be stored on both the Locator and Transmitter.

Data-Logs can be conveniently transferred via a USB cable to our Windows Desktop Relay analysis software or via Bluetooth (model dependant) to a tablet or smartphone using C.Scope's free Relay smartphone App.



Once transferred, data-logs can be analysed, using one of C.Scope's data management solutions.

These include the cscope.info cloud based, data analysis platform, which is designed to allow monitoring and reporting of the performance and usage of C.Scope data-logging Locators and Transmitters.

Being cloud based means that data and reporting can be accessed from any web browser, remotely and securely.

In-built Bluetooth GPS models also allow a record to be kept of where the Locators have been used. These records can then be viewed in partnership with **Google Earth™**, **Google Maps™** or with the **C.Scope Apps** and using the **cscope.info Cloud**. Additionally, the Locators can be paired to third-party GPS Survey equipment, via the Locators in-built Bluetooth™ providing centimetre accurate recording of traced pipe and cable routes.

The MXL4 Locators and MXT4 Transmitters do not require periodic recalibration. A fully **Automatic Daily Self Test (ADST)** tests and confirms that the Locator and the Transmitter are functioning at their optimum level each day. The result of each ADST is recorded and stored within the data files and can be used to produce a **System Validation Certificate** using the C.Scope Desktop Relay and PC Toolkit or the cscope.info Cloud System.

C.Scope authorised Service Centres are also able to provide third-party Test and Validation Certification should you require it to comply with client or internal regulations.

These products can be powered by either alkaline batteries, NiMH rechargeable batteries or C.Scope's Li-ion battery packs

The MXL4 Locators and MXT4 Transmitters retain the reliability and durability expected of all C.Scope products and now come with a **Three Year Warranty**.

MXL4 High Performance Multi Frequency PRECISION PIPE & CABLE LOCATOR



Power Mode

Radio Mode

Transmitter Mode:

- Simultaneous 33+131kHz signal detection for utility avoidance
- 33kHz signal detection for all purpose tracing and utility avoidance
- 131kHz for optimum detection of short length, small diameter or unearthed cables
- 8kHz signal detection for tracing over longer distances
- Ultra low 512Hz signal detection for specialist tracing
- Ultra low 640Hz signal detection for specialist tracing

AllScan Mode

Accurate Depth Indication

Signal Current Measurement

Overload Protection

AlarmZone™

Peak Hold

Dynamic Swing Sensor

Automatic Daily Self Test

Data Logging of all Locator activity

Data Transfer by USB. (Bluetooth™ optional)

In-Built GPS position logging (optional)

Connectivity to survey level GPS products (optional)

High resolution Liquid Crystal Display

No periodic calibration required

System Validation Certificate available

Powered by either alkaline batteries, NiMH rechargeable batteries or C.Scope's Li-ion battery packs

MXT4 Multi Frequency TRANSMITTER



One Watt 4-level adjustable Power Output

Six Signal Outputs:

- Simultaneous 33+131kHz Signal
- 33kHz
- 131kHz
- 8kHz Signal
- 512Hz Signal
- 640Hz Signal

Pulsed or Continuous Output Signal

Three Signal Application Techniques:

- Direct Connection / Wraparound / Induction

Automatic Daily Self Test

High Resolution Liquid Crystal Display

In-built Accessory Tray

Data Logging of all Transmitter activity

Data Transfer by USB

No periodic calibration required

System Validation Certificate available

Powered by either alkaline batteries, NiMH rechargeable batteries or C.Scope's Li-ion battery packs



**All C.SCOPE products come with a three year warranty and require no periodic calibration.
C.Scope provide comprehensive training courses including certification for the use of all our products.**

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C.Scope has a policy of continuous product development and reserves the right to change the design, specification and labelling without notice. All errors and omissions excepted.

All C.SCOPE Products are manufactured under a quality system accredited to ISO9001:2015

CERTIFIED
ISO 9001





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