

# C.SCOPE

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## PRECISION PIPE & CABLE LOCATION EQUIPMENT



### **MXL4 Multi Frequency Precision Locator** **MXT4 Multi Frequency Transmitter**

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

The bottom of the page features a cross-section of the ground showing various underground utilities. From top to bottom, there is a layer of soil, a red pipe, a blue pipe, and a grey pipe. The C.SCOPE logo is overlaid on the blue pipe. The logo consists of the word 'C.SCOPE' in white, with a stylized target symbol integrated into the letter 'O'.

**C.SCOPE**

The new 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. And 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 frequency 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**. A years worth of data can be stored, in normal usage, on both the Locator and Transmitter. This can be conveniently transferred at any time via a USB cable to a PC or wirelessly via Bluetooth™ (model dependent) to a PC, tablet or smartphone to supervisors for analysis.

The free-to-download **C.Scope PC Toolkit** and **Relay smartphone App** analyses the stored data allowing training requirements to be quickly identified.

**In-built GPS** models also allow a record to be kept of pipe and cable routes that have been traced and exactly where the Locators have been used. These records can then be viewed in partnership with **Google Earth™** or **Google Maps™**. 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 **Product Validation Certificate** using the C.Scope PC Toolkit. C.Scope authorised Service Centres are also able to provide third-party Test and Calibration Certification should you require it to comply with client or internal regulations.

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**

All C.SCOPE digital products come with a three year warranty and require no periodic calibration.

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

Alarm Zone™

Peak Hold

Dynamic Swing Sensor

Automatic Daily Self Test

Data Logging of all Locator activity

Data Transfer by USB. (Bluetooth™ option)

In-Built GPS position logging (optional)

Connectivity to Survey level GPS products (option)

High resolution Liquid Crystal Display

No periodic Calibration required

Product Validation Certificate available

## **MXT4 High Power** **Multi Frequency Transmitter**



One Watt 4-level adjustable Power Output

Six Signal Outputs:

*Simultaneous 33+131kHz Signal*

*512Hz Signal*

*640Hz Signal*

*8kHz Signal*

*33kHz*

*131kHz.*

Pulsed or Continuous Output Signal

Three Signal Application Techniques:

*Direct Connection / Wraparound / Induction*

Automatic Daily Self Test

Data Logging of all Transmitter activity

Data Transfer by USB

High resolution Liquid Crystal Display

No periodic Calibration required

Product Validation Certificate available

In-built Accessory Tray.