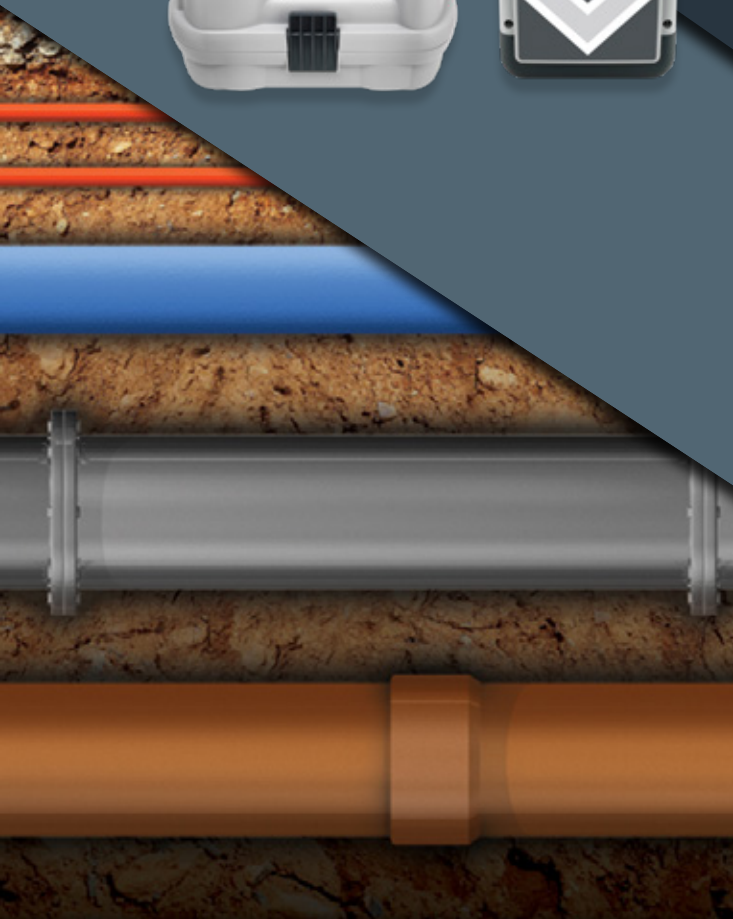
C.SCOPE

HIGH PERFORMANCE

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



CXL4 Dual Frequency
CABLE AVOIDANCE TOOL

DXL4 Dual Frequency
CABLE AVOIDANCE TOOL
with Depth Measurement

SGA4 One Watt
SIGNAL GENERATOR

SGV4 One Watt
SIGNAL GENERATOR
with Data Logging

The XL4 Range

of Cable Avoidance Tools and Signal Generators from C.Scope represent a significant advance in cable detecting and tracing performance.

Innovative new features have been introduced and popular existing modes of detection have been enhanced to allow the XL4 range of Cable Avoidance Tools and Signal Generators to successfully detect even the hardest to find pipes and cables. Particular attention has been paid to minimise the potential for human error to impact on operating performance and to effect better working practices.

The XL4 range of Cable Avoidance Tools now have improved performance across all modes of detection; Power, Radio, Generator and *All*Scan, whilst remaining easy to operate ensuring there is only a minimal need for training or retraining.

Intelligent features such as **PeakHold** allows operators to quickly and 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.

To compliment and support in-built data logging on C.Scope Cable Avoidance Tools, the SGV4 Signal Generator also has **full data logging capability**.

In normal usage, a years' worth of data can be stored on both the Cable Avoidance Tool and Signal Generator.

Data-Logs can be conveniently transferred via a USB cable to our Windows PC Toolkit 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 Cable Avoidance Tools and Signal Generators. 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 exactly where the Cable Avoidance Tools have been used that 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 Cable Avoidance Tool can be paired to third-party GPS Survey equipment, via the Locators in-built Bluetooth™ facilitating 'one-pass' underground utility surveys to be undertaken.

The XL4 Cable Avoidance Tools and Signal Generators do not require periodic recalibration. A fully **Automatic Daily Self Test (ADST)** tests and confirms that the Cable Avoidance Tools and the Signal Generator 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 PC Toolkit or the C.Scope .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.

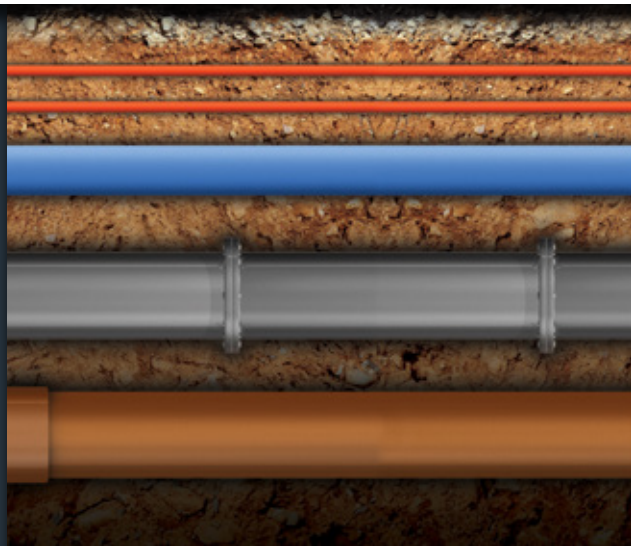
These products can be powered by either alkaline batteries, NiMH rechargeable batteries or C.Scope's Li-ion battery packs.

The XL4 range of C.Scope Cable Avoidance Tools and Signal Generators retain the ability and durability expected of all C.Scope products and come with a **Three Year Warranty**.

The **simultaneous dual-frequency 33kHz and 131kHz** signal output of the Signal Generators is ideal for maximising the number of buried services that can be energised and then detected.

The SGV4 Signal Generator can apply the dual frequency signal without direct connection to buried services using the simple induction method from ground level, providing a significant improvement in the detection of the smaller diameter or poorly earthed cables.

The fully adjustable **One Watt Power Output** of the Signal Generators means that deeper pipes and cables can be effectively energised and then traced over ever longer distances.



CXL4 Dual Frequency
CABLE AVOIDANCE TOOL

Power Mode
Radio Mode
Generator Mode:
* Simultaneous 33+131kHz
* 33kHz signal detection for all purpose tracing and utility avoidance
* +131kHz for optimum detection of short length, small diameter or unearthed cables

*All*Scan Mode

Overload Protection
AlarmZone™
PeakHold
Dynamic Swing Sensor
Automatic Daily Self Test
Data Logging of all Locator activity (option)
Data Transfer by USB (Bluetooth™ option)
In-Built GPS position logging (option)
Connectivity to Survey level GPS products (option)
High Resolution Backlit 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

DXL4 Dual Frequency
CABLE AVOIDANCE TOOL
With Depth Measurement

Power Mode
Radio Mode
Generator Mode:
* Simultaneous 33+131kHz
* 33kHz signal detection for all purpose tracing and utility avoidance
* +131kHz for optimum detection of short length, small diameter or unearthed cables

*All*Scan Mode

Accurate Depth Indication
Overload Protection
AlarmZone™
PeakHold
Dynamic Swing Sensor
Automatic Daily Self Test
Data Logging of all Locator activity
Data Transfer by USB (Bluetooth™ option)
In-Built GPS position logging (option)
Connectivity to Survey level GPS products (option)
High Resolution Backlit 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

SGA4 Dual Frequency
SIGNAL GENERATOR

One Watt
High/Low Power Output
Simultaneous 33+131kHz Signal
Pulsed or Continuous Output Signal
Three Signal Application Techniques:
* Direct Connection/Wraparound/Induction

No periodic calibration required
In-built Accessory Tray

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

SGV4 Dual Frequency
SIGNAL GENERATOR
with Data Logging

One Watt
4 Level Adjustable Power Output
Simultaneous 33+131kHz Signal
* Connected & Induced Modes
Pulsed or Continuous Output Signal
Three Signal Application Techniques:
* Direct Connection/Wraparound/Induction
Automatic Daily Self Test
Data Logging of all Signal Generator activity
Data Transfer by USB
High Resolution Backlit Liquid Crystal Display
No periodic calibration required
System Validation Certificate available
In-built Accessory Tray

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.

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

CERTIFIED ISO 9001

C.SCOPE

cscopelocators.com

C.Scope International Ltd
Kingsnorth Technology Park,
Wotton Road,
Ashford, Kent, TN23 6LN,
United Kingdom
Telephone +44(0)1233 629181
Email info@cscope.co.uk

For more information, please visit:
www.cscopelocators.com/technical-support