



DXL³ CABLE AVOIDANCE TOOL

DEPTH MEASURING CABLE ROUTE TRACER

DXL3 CABLE AVOIDANCE TOOL WITH SGA3 SIGNAL GENERATOR

2018 - 19



The C.Scope DXL3 Cable Avoidance Tools by Stanley are Industry Standard locators with Power, Radio & 33kHz Generator Modes that detect & trace buried services simply, quickly & reliably.

Easy to use:

The DXL3 Series range is the most popular equipment in the Industry, Designed to be use by All levels of staff & in Any working Environment

**MODEL UPDATE
FOR
CAT33XD**

Quality in Construction. Delivered.

C.SCOPE DXL3 CABLE AVOIDANCE TOOL & SGA3 SIGNAL GENERATOR

The DXL3 Cable Avoidance tool & SGA3 signal generator is the model update for the classic CAT33XD cable avoidance tool & SGV signal generator. The evolution of the CSCOPE UK cable avoidance tool range necessitated renaming of the CAT33XD cable avoidance tool to DXL3 cable avoidance tool; similarly SGV has been replaced by its direct equivalent to SGA3 signal generator. Performance of the DXL3 cable avoidance tool will remain the same as the cable avoidance tool CAT33XD, which is the globally accepted benchmark safety equipment for detection of buried utilities prior any form of excavation. The DXL3 cable avoidance tool series enable operators to find buried metallic utilities and helping to reduce the effects of human error during excavation.

The DXL3 cable avoidance tool comes with the feature of Depth Measurement of metallic services. Just press and hold the 'depth button' and depth will shown on the display.

Using the SGA3 signal generator with DXL3 locating receiver maximizes performance capabilities of the cable avoidance tool. The Adjustable Power Output delivered by SGA3 makes it possible to apply a detectable signal onto deeper and harder to detect pipes and cables for complex locate tasks.

The SGA3 signal generator features a two position power level adjustment so that the operator has full control over how much power is in used and when. Pulsed or Continuous signal output options allow operators to keep on tracing even in high interference situations.

The "DXL3 Series Avoidance Tools" manufactured by C.Scope UK is considered the safety equipment worldwide to detect buried utilities prior any form of excavation - for telecom, utilities & construction project executives in the quest to reduce the day-to-day risk of cable strikes and perform cable & pipe route tracing

POWER MODE :



Detect & trace buried energized metallic power cables using the locating receiver alone in Power mode.

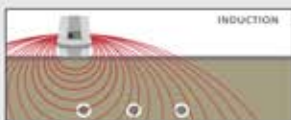
RADIO MODE :



Locate a wide range of buried metallic utilities/conductors, whether or not they are carrying current, using the locating receiver alone in Radio mode.

GENERATOR/TRANSMITTER MODE :

Trace the route of specific services such as Armored Telecom Cables, Power Cables and Metallic Pipes by connecting the SGA3 Signal Generator to the metallic cable or pipe utility and trace the signal using the DXL3 locating receiver operating in the 'Generator/Transmitter' mode. In this mode, you can also measure depth of the utility.



INDUCTION : allows the Signal Generator to induce a detectable and traceable signal to previously unknown, undetected or inaccessible underground metal pipes or cables without any direct connection. This is also referred to as a Blind Search and significantly increases capability to locate or trace buried services.



DIRECT CONNECTION : allows specific pipes or cables to be individually traced, identified and their depths measured. This requires use of Direct Connection leads to inject the signals directly into the cable or pipes at a suitable access point. This mode is the most effective method for pinpointing pipes and cables. The direct connection leads also provided the options of built in magnets to apply signal where crocodile clamps are found difficult to use. Accurate depth is achieved in direct connection mode.



INDUCTIVE SIGNAL CLAMP (OPTIONAL) : If it is difficult or inconvenient to use Direct Connection, then the signal clamp can be utilised to successfully energise an armored optical fiber cable, street lighting cable etc. Signal clamp is 4" in diameter.

C.SCOPE DXL3 OVERVIEW

- Power Mode.
- Radio Mode
- Generator Mode : 33 KHz frequency detection
- Depth Measurement
- Liquid crystal display
- Real audio response
- Provision for spare battery storage
- Retractable loudspeaker
- All weather design to IP65

3 Position Mode Switch:

- Power Mode.
- Radio Mode.
- Generator Mode.

On/Off Trigger.

Sensitivity Adjustment Control.

Depth measurement button

Digital Display

C.SCOPE SGA3 OVERVIEW

- High and Low switchable power output
- 33kHz power output
- Pulsed or continuous signal output
- Audio speaker output
- All weather design to IP65

IMPACT RESISTANT

**IP65
WATER & DUST
PROOF**

Impact Resistant Twin Wall Construction.

Impact Resistant Replaceable Wear Foot.

Control Panel:

- On / Off
- Low Power Control
- High Power Control
- Pulsed/Continuous Output Control
- Loud/Mute Control

Loudspeaker.

Connection Socket.



Impact Resistant Twin Wall Construction

Detachable Accessory Tray containing:

- Direct Connection Leads
- Earth Stake
- Connection Magnets
- 10m Auxiliary Earth Lead
- Instruction Manual
- Designed with space to also carry a Signal Clamp or other accessories.

C.SCOPE DXL3 LOCATOR RECEIVER SPECIFICATIONS

Depth Measuring cable avoidance tool receiver with three operating modes & audio - visual feedback to operator.

Operating Mode	Power Mode (P) Radio Mode (R) Generator Mode 33kHz (G)		
Depth Measurement	✓		
Accurate Depth Indication	✓		
Display (LCD)	✓		
Batteries & Battery Life	8 X AA (Lr6), 40 hours (Intermittent Usage) + Spare battery holder		
Weight	2.9 kg		
Size	720mm x 270mm x 63mm		
Locate Accuracy	Better than 10% of Depth		
Depth Accuracy	± 5% @ 1m		
Environmental	IP65		
Periodic Calibration	✓		
Cable Avoidance Tool Performance	Frequency	Sensitivity @1m Depth	Detection Depth (max)
Power	50-400Hz	7mA	3m
Radio	10kHz-30kHz	12µA	2m
Generator	32,100-33,400Hz	2µA	3m
Sonde	33 kHz	--	0.85m to 4.5m



C.SCOPE SGA3 SIGNAL GENERATOR SPECIFICATIONS

The 33kHz SGA3 signal generator is used to inject signature frequency signal into a buried metallic cable or pipe either by 'direct connection' to the buried services at access points or nodes or 'induction method' from above ground.

Controls	Operation by Push button control: On/Off Power level: 2 (high or low) output: Pulse / continuous Audio / Mute: high or low level
Output	32,768Hz (Connected / Induced)
Construction	Case moulded from high impact plastic. Designed to withstand 1m (3'-3") drop onto a hard surface Incorporates clip on Accessory storage compartment
Weight	3.4kg
Dimensions	360mm x 180mm x 230mm
Battery Type	Internal 4 x 'D' (LR20) cells
Battery Life	Up to 30 hours intermittent use at 20°C (68°F) using alkaline cells
In-Built Accessory Tray	✓
Enviromental	IP65



THE IDEAL CHOICE FOR :

