

RadioDetection C.A.T4+ Cable Avoidance Tool

Product Images

Product Code: S00-7584



Features	C.A.T4	C.A.T4+	gc.A.T4+
Avoidance Mode™ (A)	•	•	•
Genry™ Dual Signal Locate (G)	•	•	•
Power Signal Locate (P)	•	•	•
Radio Signal Locate (R)	•	•	•
iCert™	•	•	•
Dynamic Overload Protection	•	•	•
Depth	•	•	•
StrikeAlert™	•	•	•
Service Due Indicator	•	•	•
SWINS™ Warning	•	•	•
CALSafe™	•	•	•
C.A.T Operation logging	•	•	•
Bluetooth®	•	•	•
GPS/GNSS	•	•	•
C.A.T Manager for PC Support	•	•	•
C.A.T Manager Mobile App Support	•	•	•

Short Description

The C.A.T4+ offers the same locating performance as the C.A.T4 but with addition of Depth

measurement, allowing better identification of the route of buried utilities.

Reduce the number of strikes

Small Cable Locate - Dual-frequency locate

Simultaneous dual frequency and simple locating methods assist C.A.T4 and Genny4 users to locate Small Diameter cable such as telecom twisted pairs, spurs and drop-offs which have historically been hard to find and are a common strike risk.

Dynamic Overload Protection

Radiodetection's unique digital signal processing capabilities equips the C.A.T4 with the ability to reject electrical interference.

Dynamic Overload Protection gives C.A.T4 series products the ability to continue operating in electrically challenging areas, such as near substations and under power cables, where other locators' detection circuitry may be overloaded and no longer function.

Avoidance Mode™

Sweep an area using Power, Radio and Genny signals simultaneously, saving time. C.A.T4 lets operators control the sensitivity of each mode/signal, enabling buried utilities to be pinpointed in a single pass, while Real Sound provides audio feedback derived directly from the utility located, easing identification to maximise speed whilst maintaining safety.

Genny4 Signal Boost

The Genny4 offers, alongside its standard power mode, a Signal Boost feature which increases the output signal by up to 10 times allowing you to locate over extra distance and depth.

High Visibility Display with Backlight

The C.A.T4's high visibility display helps to minimise the possibility of misreading critical information from the unit. The high contrast and automatic backlight illumination provide optimum visibility in all light conditions.

Improve Safety

StrikeAlert™

Reduce the risk of hitting a shallow cable with the StrikeAlert™ audible and visual warning indicator, enhanced and optimised in the C.A.T4 range to reduce the instances of false warnings.

SWING™

Radiodetection C.A.Ts are designed to respond exceptionally quickly to even the smallest detectable underground signals.

Radiodetection's research into underground signal detection has shown that the ability of an operator to identify these buried utilities is significantly reduced by incorrect working practices such as excessive

or rapid swinging.

To further reduce utility strike risks, **gC.A.T4+** units are equipped with sensors to detect such incorrect usage and warn the operator with an alert that is also stored in the data log.

Service and Calibration

CALSafe™

Minimise the risk of having to delay a survey because a C.A.T4's calibration has expired. The **gC.A.T4+** provides a 30 days countdown warning to the expiry of the calibration certificate. CALSafe can be set to prevent the unit from operating outside the calibration period, ensuring compliance with company policies – and the interval required between services can be customised within a 1 year period using the C.A.T Manager software.

C.A.T Manager for Windows PC allows plant, fleet and site managers to minimise down time by performing software upgrades, reproducing calibration certificates and performing online calibrations using eCert. eCert provides a fast and thorough test of key circuitry elements within C.A.T4, and validates their performance against the original factory calibration over the internet

It also gives the ability to turn on or off C.A.T4 features such as *StrikeAlert* or *Swing Warnings***.

**Model dependant

eCert™

eCert provides a fast and thorough test of key circuitry elements within C.A.T4, and validates their performance against the original factory calibration over the internet. eCert, activated through the C.A.T Manager PC software, provides a fast, thorough and convenient test of the key locating circuitry within C.A.T4, and validates its performance against the original factory calibration.

Following an eCert test pass, a Radiodetection Calibration Certificate for that C.A.T4 can be printed or saved. What's more, C.A.T Manager can reproduce the original factory calibration certificate, or any eCert certificates that it has produced, on demand. For a complete maintenance package, Radiodetection also offers exhaustive factory-backed service and recalibration options including full mechanical integrity inspection and function testing.

Drive best practice

C.A.T Manager™ Online and C.A.T Manager for PC provides a remote management system specifically designed for supervisors and safety officers, to enable them identify operators' locating operations and drive best practice.

C.A.T Manager Online works with **gC.A.T4+** models to provide near-real time monitoring capabilities and cloud based data storage and analysis. At the end of each scan the C.A.T Manager automatically transmit the comprehensive 1x sec usage data to the cloud system.

The C.A.T Manager basic account is free to use and offers access to the last 3 months' usage, with analysis and survey reporting.

The Pro and Enterprise options have been designed in collaboration with major UK contractors to provide a range of features designed to enable teams and contracts management, more detailed survey reports and automatic alerts when poor practice is detected.

C.A.T Manager for PC utilises USB 2.0 connectivity to be able to retrieve and store locally **gC.A.T4+** data logs. Data can be exported and uploaded to C.A.T Manager online for further analysis, storage and to share data across multiple sites.

See specification sheet and user guide for further details.

Description

The C.A.T4+ offers the same locating performance as the C.A.T4 but with addition of Depth measurement, allowing better identification of the route of buried utilities.

Reduce the number of strikes

Small Cable Locate - Dual-frequency locate

Simultaneous dual frequency and simple locating methods assist C.A.T4 and Genny4 users to locate Small Diameter cable such as telecom twisted pairs, spurs and drop-offs which have historically been hard to find and are a common strike risk.

Dynamic Overload Protection

Radiodetection's unique digital signal processing capabilities equips the C.A.T4 with the ability to reject electrical interference.

Dynamic Overload Protection gives C.A.T4 series products the ability to continue operating in electrically challenging areas, such as near substations and under power cables, where other locators' detection circuitry may be overloaded and no longer function.

Avoidance Mode™

Sweep an area using Power, Radio and Genny signals simultaneously, saving time. C.A.T4 lets operators control the sensitivity of each mode/signal, enabling buried utilities to be pinpointed in a single pass, while Real Sound provides audio feedback derived directly from the utility located, easing identification to maximise speed whilst maintaining safety.

Genny4 Signal Boost

The Genny4 offers, alongside its standard power mode, a Signal Boost feature which increases the output signal by up to 10 times allowing you to locate over extra distance and depth.

High Visibility Display with Backlight

The C.A.T4's high visibility display helps to minimise the possibility of misreading critical information from the unit. The high contrast and automatic backlight illumination provide optimum visibility in all

light conditions.

Improve Safety

StrikeAlert™

Reduce the risk of hitting a shallow cable with the StrikeAlert™ audible and visual warning indicator, enhanced and optimised in the C.A.T4 range to reduce the instances of false warnings.

SWING™

Radiodetection C.A.Ts are designed to respond exceptionally quickly to even the smallest detectable underground signals.

Radiodetection's research into underground signal detection has shown that the ability of an operator to identify these buried utilities is significantly reduced by incorrect working practices such as excessive or rapid swinging.

To further reduce utility strike risks, **gC.A.T4+** units are equipped with sensors to detect such incorrect usage and warn the operator with an alert that is also stored in the data log.

Service and Calibration

CALSafe™

Minimise the risk of having to delay a survey because a C.A.T4's calibration has expired. The **gC.A.T4+** provides a 30 days countdown warning to the expiry of the calibration certificate. CALSafe can be set to prevent the unit from operating outside the calibration period, ensuring compliance with company policies – and the interval required between services can be customised within a 1 year period using the C.A.T Manager software.

C.A.T Manager for Windows PC allows plant, fleet and site managers to minimise down time by performing software upgrades, reproducing calibration certificates and performing online calibrations using eCert. eCert provides a fast and thorough test of key circuitry elements within C.A.T4, and validates their performance against the original factory calibration over the internet

It also gives the ability to turn on or off C.A.T4 features such as StrikeAlert or Swing Warnings**.

**Model dependant

eCert™

eCert provides a fast and thorough test of key circuitry elements within C.A.T4, and validates their performance against the original factory calibration over the internet. eCert, activated through the C.A.T Manager PC software, provides a fast, thorough and convenient test of the key locating circuitry within C.A.T4, and validates its performance against the original factory calibration.

Following an eCert test pass, a Radiodetection Calibration Certificate for that C.A.T4 can be printed or saved. What's more, C.A.T Manager can reproduce the original factory calibration certificate, or any eCert certificates that it has produced, on demand. For a complete maintenance package, Radiodetection also offers exhaustive factory-backed service and recalibration options including full mechanical integrity inspection and function testing.

Drive best practice

C.A.T Manager™ Online and C.A.T Manager for PC provides a remote management system specifically designed for supervisors and safety officers, to enable them identify operators' locating operations and drive best practice.

C.A.T Manager Online works with **gC.A.T4+** models to provide near-real time monitoring capabilities and cloud based data storage and analysis. At the end of each scan the C.A.T Manager automatically transmit the comprehensive 1x sec usage data to the cloud system.

The C.A.T Manager basic account is free to use and offers access to the last 3 months' usage, with analysis and survey reporting.

The Pro and Enterprise options have been designed in collaboration with major UK contractors to provide a range of features designed to enable teams and contracts management, more detailed survey reports and automatic alerts when poor practice is detected.

C.A.T Manager for PC utilises USB 2.0 connectivity to be able to retrieve and store locally **gC.A.T4+** data logs. Data can be exported and uploaded to C.A.T Manager online for further analysis, storage and to share data across multiple sites.

See specification sheet and user guide for further details.