

gC.A.T4™ – ready for a connected world

gC.A.T4 is Radiodetection's first locator for use as part of the C.A.T Manager® Online system. Together they provide a remote management tool created to drive best practice, reduce utility strikes and improve safety.



The new gC.A.T4 can communicate with the new C.A.T Manager Android and Apple mobile apps* to transmit usage data to C.A.T Manager Online. The apps work silently in the background, requiring no operator intervention. At the end of each gC.A.T4 scan the usage data captured is transmitted to the cloud system. Using a standard web browser supervisors can access a dashboard and review working practices of all their operators. Surveys can be analyzed, reports generated and downloaded to identify training needs or evidence proof of work.

Free Basic account

The Basic account option is free to use and offers access to the last 3 months of usage, with analysis and survey reporting. The system offers the ability to download and backup data to the C.A.T Manager Windows PC app.

Developed with and for the industry

The Pro and Enterprise options have been designed in collaboration with major UK contractors to provide a range of features designed to enable team and contact management, more detailed survey reports, extended storage and automatic alerts when the C.A.T Manager detects poor practice.

The new gC.A.T4 is available to order immediately, standard lead time applies.

C.A.T Manager Online will be available later in 2016. To test drive the new system register your interest by visiting www.radiodetection.com/catmanageronline



*Older gC.A.T4 models only support Android OS.

gC.A.T4 features	
Automatic Data Logging with built-in GPS/GNSS receiver	Storage of 2 years' worth of usage data (typical usage rate*), including positional data. Allows comprehensive usage analysis
Simultaneous dual frequency cable avoidance	Aids locating small diameter cables, such as telecom twisted pairs, CATV feeds, spurs and drop-offs
Dynamic Overload Protection	Continue to operate in electrically noisy areas, where other units may struggle
Avoidance Mode	Speeds up surveys by searching for Power, Radio and Genny signals simultaneously
StrikeAlert™	Warns of shallow buried utilities
Swing Warning	Promotes correct usage by warning if the CAT is moved (swung) too fast
C.A.T Manager	<ul style="list-style-type: none"> Windows PC app to manage software updates, configure and to retrieve logged data – Produce KML file for review on Google Maps Android and iOS apps, to retrieve gC.A.T4 logs and transmit them to the C.A.T Manager Online server C.A.T Manager web app to review and monitor in near real-time on-site locators usage
Service Due indicator and CALSafe	Helps fleet management providing a count-down to calibration date and, optionally, preventing its usage
eCERT® – Online Calibration	Extend the Calibration Certificate for another year, remotely

*8 hours use per day, 5 days per week.

C.A.T4 Technical Specifications			Locating Depth Guide (m)	
Locate performance	Frequency Range	Sensitivity @ 1 m	Good conditions	Poor conditions
Power signals (P)	50 Hz – 1.5 kHz	3 mA	3	2
Radio signals (R)	15 kHz – 30 kHz	25 µA	2	1
Genny4® signals (G)	32.768 kHz ±20 Hz 131.072 kHz ±20 Hz	5 µA	4	2
Avoidance Mode (A)	P+R+G As above	As above	4	2


Dynamic range	120 dB @ 10 Hz
Dynamic Overload Protection	40 dB @ 50 Hz (automatic)
Locate accuracy	± 10% of depth
Depth accuracy (on undistorted signal and with no adjacent signals)	Line: 5% 0.1 m to 3 m (4in to 10 ft), Sonde: 5% 0.1 m to 7 m (4in to 16 ft)
Horizontal GPS Position Accuracy ⁽¹⁾	3m CEP (Circular Error Probable)

Operating temperature range	-20°C to +50°C
Storage temperature range	-20°C to 70°C
Environmental protection	IP54
Batteries	2 x LR20 (D) 1.5 V alkaline Compatible with D type NiMH rechargeable batteries
Data interface	USB 2.0, Bluetooth Low Energy (Android and Apple)
Recommended service interval	1 year
Warranty	12 months from purchase

Data storage capacity	4 GB
Calibration due warning	Countdown from 31 days before due

⁽¹⁾GPS accuracy depends by many factors, such as: location, time of the day, weather conditions, number of satellites available and their geometry.

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