EZiCAT i600 / i650

Advanced buried service location technology

NEW

cable detection

The EZiCAT i600/i650 helps to assess usage, improve productivity and reduce onsite costs.

Obtaining accurate information about the location of buried utilities has never been more essential to protect employees and equipment during any excavation project.

Local legislation prescribes the use of a locating device before any kind of excavation takes place. The new EZiCAT i600 and i650 provide a unique data capture and on board memory function, allowing verification of the locators use and the ability to recall records following a near miss or service strike or similar incident.

With the unique LOGiCAT Software, records can be retrieved and collated helping to increase on site safety, whilst identifying training needs.

Typical user of the EZiCAT i600/i650:

- Excavation contractors
- Utility installation and repair contractors
- Builders
- General contractors
- Gas and electricity companies
- Cable TV companies
- Pipe Laying contractors
- Healthy and Safety managers

New Features

Data capture capabilities
Store up to 80 hours of use

Wireless Bluetooth Data Transfer AS STANDARD

EZiCAT i600 Series Locators

The new EZiCAT range comprises of:

- EZiCAT i600
- EZiCAT i650
- LOGiCAT Software

The EZiCAT i600 and i650 make locating underground cables and pipes a simple and efficient task, increasing your onsite safety and ultimately saving time and money.

How does the EZiCAT locate?

The EZiCAT i600 and i650 locate buried conductive services by receiving electromagnetic signals which radiate from them.

The EZiCAT's intelligent software interprets the signal data and provides the operator with an audible and visual response to the location and direction of buried utilities. The operator can mark the ground or use a GIS mapping device to note the location.

The benefits of data-logging in five easy steps

See better results, more comprehensive ground surveys and a reduction in buried service strikes.

1 Conduct ground survey gathering data

2 Send logged data to Bluetooth enabled PC

Unique Features

Starts in Power Mode
Ensuring the most potentially dangerous current carrying services are detected first for maximum operator safety.

Automatic controls
Making the EZiCAT easy to use, requiring minimal user experience.

In-built test function
Allowing operators to test the hardware and software functionality of the EZiCAT before use.

Service Due Indicator
Supporting customer planned maintenance schedules or quality systems by displaying a wrench icon after 12 months.

Hazard Zone
The new feature which indicates the presence of a shallow buried service in power, 8 and 33 kHz modes, (within approximately 30cm) alerting users to the increased risk.

High contrast LCD screen
With built-in light sensor, automatically enabling the backlight in dark conditions.

Intelligence

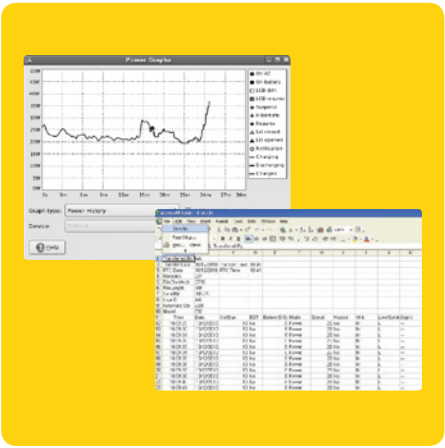
Data logging NEW
The i600 / i650 locators record and store information whilst they are in use. The locators start to record information every second after completion of the initial start-up routine. These records (logs) are stored in the locators memory and can be retrieved and transferred via Bluetooth to a PC for analysis. The locators are capable of storing approximately 80 hours of records.

Depth Indication
(available on the i650 model only)
When using the EZiCAT in conjunction with the EZiTRACE or Sonde in 8 or 33 kHz modes, operators can determine the depth of the buried utility, providing a clear advantage when conducting ground surveys.

Bluetooth Connectivity
Both the EZiCAT i600 and i650 locators have the added benefit of Bluetooth wireless connectivity. It allows the EZiCAT to integrate seamlessly with mobile mapping technology to log survey data, in addition to enabling wireless Bluetooth data transfer.

Signal Strength Indication (SSI)
EZiCAT i-Series feature numeric signal strength readout, specifically designed for easy Sonde location and use with Signal generator.

Pinpoint Assist
Maintains the highest peak reading obtained on the signal strength indicator for a period of time, allowing the operator to quickly and accurately pinpoint the service position.



3 **View EZiCAT usage statistics and charts**

4 **Make informed decisions to efficiently manage EZiCAT fleet and operators**

5 **Implement changes to procedures for better results**

Flexibility

The EZiCAT i-Series locators have multiple modes of operation allowing users to have maximum control at their fingertips.

Auto Mode (Auto)

Automatically locates power or radio signals, helping to confirm the presence of services upon initial site occupation making cable detection easier and safer!

Generator Modes (8 kHz) (33 kHz)

(8 and 33 kHz)
Locates a specific signal applied by the EZiTRACE dual frequency signal generator to a metallic underground conductor.

Radio Mode

Traces signals originating from distant radio transmitters. These signals penetrate the ground and are reradiated by buried conductive services.

Power Mode

(Default Mode)
Locates power signals radiated by energised cables which pose the most significant risk to excavation teams.

LOGiCAT Software

Allows you to upload the stored records to view the locators use, simply upload all records or search by date. Upload information includes:

Time and Date Information

Identifies when and at what time ground surveys were conducted.

Usage Duration

Determines how long survey teams searched for buried services and discovers actual product utilisation.

User Identification

Forces users to become accountable for their actions and identifies those who need additional product training.

Detection Mode Used

Allows managers to judge the quality and thoroughness of work. As more comprehensive ground surveys are conducted the locator records the mode of operation including the use of a signal generator.

Service Detection

Discovers quickly if any buried services were detected during surveys and even determines the signal strength shown on the locator.

Product Fleet Management

Displays and monitors the service and calibration dates of your locator fleet, ensuring they are kept in perfect working order and not being used when calibration is due.

Diagnostic Check

Displays locators which have failed the EST (Extended self test) and removes them from the active fleet for immediate repair. This reduces the possibility of defective equipment being used on site.

Management Reports

Produces basic statistical reports from the logged data, allowing users to see how products are utilised and how ground survey teams are using them on-site.

EZiCAT i600 / i650	
Frequency / Mode	Power mode 50 Hz or 60 Hz, Radio mode 15 kHz to 60 kHz Generator mode 8 kHz and 33 kHz, Auto mode = Power + Radio mode
Depth	Power to 3m, Radio to 2m, Generator mode to 3m
Protection	Conforms to IP54
Bluetooth	Available
Batteries	6 x AA alkaline (IEC LR6 supplied)
Battery life	40 hours intermittent use (at 20°C)
Depth Estimation	(i650 only) 10% of depth in line or sonde (0.3 to 3m depth range)
Weight	2.7kg including batteries
Compatibility	CSV file compatibility program
Memory Size	32Mb memory
Capacity	80hrs of data

i600 / i650 Product Guide

	EZiCAT i600	EZiCAT i650
Automatic sensitivity adjustment	•	•
5 operating modes – including Auto mode	•	•
Hazard zone	•	•
In-built user activated self test	•	•
Peak assist function	•	•
Service depth indication		•
Bluetooth wireless data transfer	•	•
Data logging function **NEW**	•	•

Dealer stamp:

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A Leica Geosystems company

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For more information on the latest cable avoidance tools visit **cabledetection.co.uk**