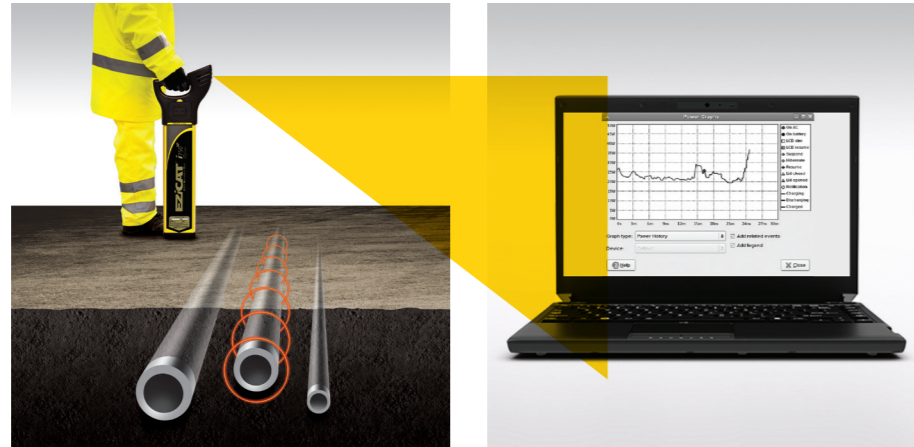


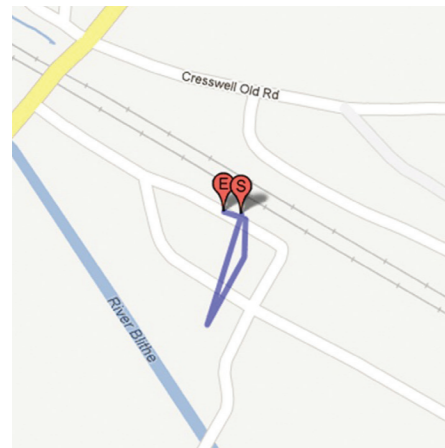
The benefits of data logging in five steps

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



1 Conduct ground survey as normal, data will be automatically gathered

2 Send logged data to Bluetooth enabled PC



3 View EZiCAT usage statistics, charts and maps



4 Make informed decisions to efficiently manage EZiCAT fleet and operator training



5 Implement changes to procedures for better results

Information

EZiCAT records and stores information whilst in use including:

- GPS Positioning
- Time and Date
- Usage Duration
- User Identification
- Detection Mode
- Service Detection
- Diagnostic Check
- Management Reports

Specifications

EZiCAT i700 series product specification

EZiCAT i700	
Frequency / Mode	Power mode 50 Hz or 60 Hz, Radio mode 15 kHz to 60 kHz Auto mode = Power + Radio mode, Transmitter modes 8 kHz, 33 kHz
Typical detection range	Power to 3m, Radio to 2m, Transmitter Mode – Dependant on Transmitter or Sonde
Protection	Conforms to IP54
Bluetooth	Class 2, nominal range 30m
Batteries	6 x AA alkaline (IEC LR6 supplied)
Battery life	40 hours intermittent use (at 20°C)
Weight	2.7kg including batteries
Memory size	64Mb memory
Log File format	CSV file compatibility program
GPS Type	Chipset: MediaTek MT3329, WAAS/EGNOS capable* Type: L1 frequency, C/A code (SPS), Channels: 22 tracking + 66 search channels
GPS Accuracy**	Position 1.8m (CEP95), Velocity 0.1m/s, Time +/-50ns (RMS)
GPS Start time	Cold 12 min max (34s typical), Warm 34s typical, Hot 1s typical

EZiCAT i750 same specification as the i700 + Depth Indication	
Depth estimation	Line Mode – 0.3 to 3m. Sonde Mode – 0.3 to 3m Accuracy 10% of depth in Line or Sonde Mode

EZiCAT i750xf same specification as the i750 + Depth Indication and Additional Tracing Modes	
Frequency / Mode	Power mode 50 Hz or 60 Hz, Radio mode 15 kHz to 60 kHz Auto mode = Power + Radio mode, Transmitter modes 8 kHz, 33 kHz, 512 Hz, 640 Hz
Typical detection range	Power to 3m, Radio to 2m, Transmitter Mode – Dependant on Transmitter or Sonde
Depth estimation	Line Mode – 0.3 to 3m. Sonde Mode – 0.3 to 9.9m Accuracy 10% of depth in Line or Sonde Mode

*WAAS available in North America only, EGNOS available in Europe only.

**Positional accuracy is dependant upon various factors including atmospheric conditions, multipath, obstructions, signal geometry and number of tracked satellites.

Dealer stamp:

Cable Detection Limited
A Leica Geosystems company

T +44 (0) 1782 384630
F +44 (0) 1782 388048

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

EZiCAT i700 series

Intelligent GPS, Data Logging Cable locators



cable  detection

EZiCAT i700 series

Cable Detections most advanced cable locator range

GPS Technology

Provides the geographical position of use.

Data Logging

Records and store information whilst in use. Includes the geographical position and survey findings.

Bluetooth

Wireless connection to download the memory log files and integrate into Survey Grade GIS systems.



Model Range

- **EZiCAT i700**
GPS, Memory, Bluetooth
- **EZiCAT i750**
GPS, Memory, Bluetooth, Depth
- **EZiCAT i750xf**
GPS, Memory, Bluetooth, Depth, 512/640 Hz tracing modes

LOGiCAT Software

Connect
To the computer via Bluetooth

Download
The locators' log files using LOGiCAT Software

Analyse
Operators trends using LOGiCAT's analysis reports



EZiCAT i700 Series

Benefits

State-of-the-art digital signal processing technology (DSP).

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

Power Mode start up
Ensuring the most potentially dangerous current carrying services are detected first.

Hazard Zone feature
Indicating shallow buried service in power, 8 and 33 kHz modes, (within approximately 30cm) alerting increased risk.

In-built test function
For testing hardware and software.

LCD screen
With built-in light sensor, automatically enabling the backlight in dark conditions. Robust, lightweight design. Specifically engineered for tough site conditions.

Service Due Indicator
Supporting planned maintenance schedules or quality systems by displaying a wrench icon 12 months after the first date of use.

Data Logging
The 700 series records and stores information whilst in use. Information is recorded every second after completion of the initial start-up routine. These records are stored in the locator's memory and can be retrieved and transferred via Bluetooth to a PC or other electronic device for analysis.

Bluetooth Connectivity
The 700 series 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.

Flexibility

The EZiCAT 700 series locators have multiple modes of operation allowing users to have maximum control at their fingertips.

Auto Mode
Automatically locates power, radio and 33 kHz signals, helping to confirm the presence of services upon initial site occupation making cable detection easier and safer.

Transmitter Modes
(8 and 33 kHz)
Locates a specific signal applied by the EZiTEX dual frequency signal transmitter 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.

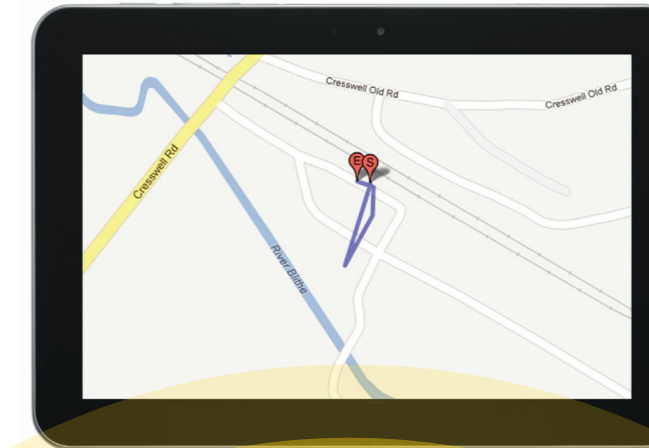
Power Mode
(Default mode)
Locates power signals mainly radiated by the energised cables which pose the most significant risk to excavation teams.

Intelligence

Hazard Zone
Buried utilities close to the surface pose a safety risk to site works. The Hazard Zone function provides an additional warning of the close proximity of buried services, alerting users to the immediate danger.

Pinpoint Assist
Maintains the highest peak reading obtained on the signal strength indicator. The peak hold time can be adjusted between 0 – 5 seconds allowing the operator to quickly and accurately pinpoint the service position.

Signal Strength Indicator
SSI enables the user to trace an individual service amongst a multiple of services. The numeric display shows the highest reading over this service, which has the EZiTEX signal transmitter connected too. This ensures the user can follow the service without straying onto another. The SSI mode can also be used to trace the Dual Frequency Sonde with ease.



EZiCAT i750

Additional features to i700

Depth Indication
The EZiCAT i750 features utility depth indication, when used in conjunction with the EZiTEX or Sonde in 8 or 33 kHz modes. Operators can determine the depth of the buried utility, providing an advantage when conducting ground surveys.

EZiCAT i750xf

Additional features

Multiple Frequencies (including 512 Hz & 640 Hz)
Easily locate low frequency camera Sondes and trace services over greater distances.

Current measurement reading
Enables improved tracing and identification of an individual service in congested site situations.

Mode Lock
The locator starts in the last mode of use assisting the tracing process when using the EZiTEX transmitter.

Increased Sonde Depth
Operators can determining the depth of a compatible sonde down to 9.99 metres.