

EZiCAT i500	
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)
Weight	2.7kg including batteries

EZiCAT i550	
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
Depth estimation	10% of depth in line or sonde (0.3 to 3m depth range)
Protection	Conforms to IP54
Bluetooth	Available
Batteries	6 x AA alkaline (IEC LR6 supplied)
Battery life	40 hours intermittent use (at 20°C)
Weight	2.7kg including batteries

EZiTRACE	
Frequency / Mode	8 kHz or 33 kHz, Constant dual frequency available in connection mode
Tracing range	Induction typically 150m, connection typically 250m
Protection	Conforms to IP67 (with lid closed)
Included accessories	Crocodile equipped connection cable set with earth spike
Batteries	4 x C alkaline (IEC LR14 supplied)
Battery life	40 hours continuous use
Weight	2.95kg including standard accessories and batteries

EZiROD	
Protection	Conforms to IP54 (30/50/80 metre coil of copper conductor sheated by fibre glass)
Included accessories	Connections to EZiTRACE cable set
Weight	3kg/3.25kg/3.5kg

# EZiSYSTEM

Advanced buried service location technology

NEW  
i-Series  
Locators



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# EZiSYSTEM obtains accurate information about the location of buried utilities making cable avoidance easier and safer.

Every year site workers are injured due to inadvertently striking buried utilities such as electricity cables or gas pipelines. 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 normally prescribes the use of a locating device before any kind of excavation takes place. It makes perfect sense to search for, trace and mark all services before work commences.

With the EZiSYSTEM users can detect buried utilities with ease. EZiSYSTEM has been specifically designed to reduce human error and to increase site safety with its wealth of intelligent and unique features.

#### Typical users of the EZiSYSTEM:

- Excavation contractors
- Utility installation and repair contractors
- General contractors
- Builders
- Gas and electricity companies
- Cable TV companies
- Pipe laying contractors



## EZiSYSTEM with i-Series Locators

The EZiSYSTEM comprises of:

- EZiCAT i-Series Locators
- EZiTRACE Signal Transmitter
- EZiROD Service Tracer
- Signal Clamp
- Property Connection Set
- Dual Frequency Sonde

EZiSYSTEM makes locating underground cables and pipes a simple and speedy task, increasing your onsite safety and ultimately saving time and money.

#### How does EZiSYSTEM locate?

The EZiCAT i500 and i550 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.

\*Available on Bluetooth enabled EZiCAT models.

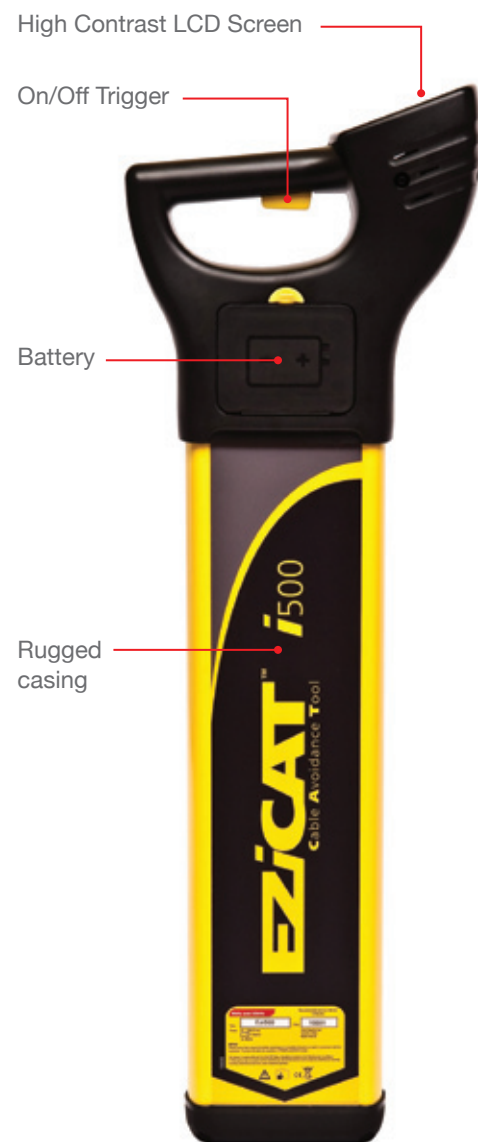




## EZiCAT i-Series Locators

### Benefits

- State-of-the-art digital signal processing technology (DSP) for precision service locating.
- Automatic controls – making the EZiCAT easy to use, requiring minimal user experience.
- Starts in Power Mode – ensuring the most potentially dangerous current carrying services are detected first for maximum operator safety.
- Hazard Zone – the new feature which indicates the presence of a shallow buried service in power, 8 & 33 kHz modes, (within approximately 30cm) alerting users to the increased risk.
- In-built test function – allowing operators to test the hardware and software functionality of the EZiCAT before use.
- Added benefit of utility depth estimation to 3m for additional survey information (EZiCAT i550 model only).
- High contrast 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 customer planned maintenance schedules or quality systems by displaying a wrench icon after 12 months.



## i-Series Product Guide

	EZiCAT i500	EZiCAT i500 with Bluetooth	EZiCAT i550	EZiCAT i550 with Bluetooth
High contrast LCD display	•	•	•	•
Automatic sensitivity adjustment	•	•	•	•
5 operating modes – including Auto mode	•	•	•	•
Hazard zone – shallow surface warning	•	•	•	•
In-built user activated self test	•	•	•	•
Peak assist function	•	•	•	•
Service depth indication			•	•
Bluetooth wireless data transfer		•		•

## Flexibility

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

### Auto Mode

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

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.

## Intelligence

### Depth Indication

The EZiCAT i550 features utility depth indication, when used 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.

### Hazard Zone

Buried utilities close to the surface pose a significant safety risk to site works. The new Hazard Zone function provides an additional warning to 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 for a period of time, allowing the operator to quickly and accurately pinpoint the service position.



### Bluetooth Connectivity

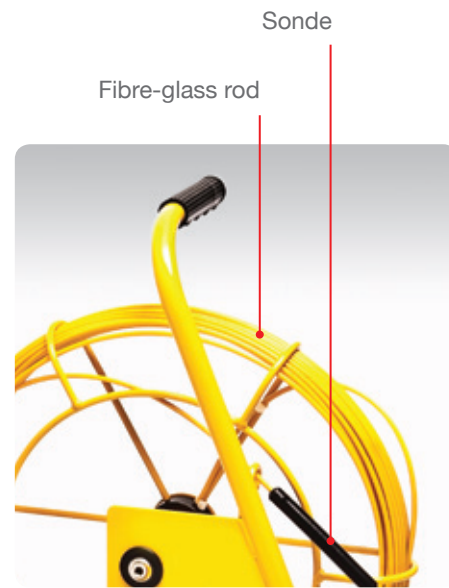
Both the EZiCAT i-series locators can be purchased with the added benefit of Bluetooth wireless connectivity. It will allow the EZiCAT to integrate seamlessly with mobile mapping technology to log survey data.

### Enhanced Sonde Detection

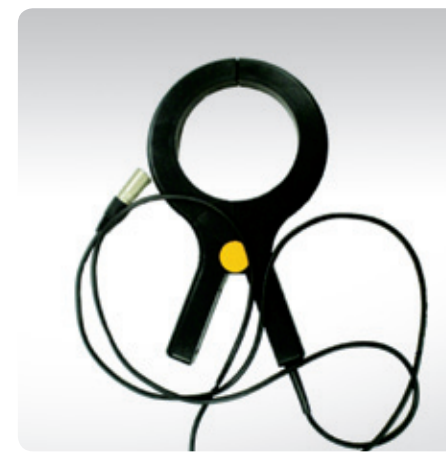
EZiCAT i-Series feature numeric signal strength readout, specifically designed for easy Sonde location. The highest number displayed indicates the exact position of the Sonde beneath the ground.



- Quick Reference Guide
- Accessory Storage Compartment
- Connection Socket
- Battery Compartment
- User Controls



Sonde  
Fibre-glass rod



## EZiTRACE

### Direct Connection

Connect the EZiTRACE to a conductive service such as a valve, junction box or other access point. Fig 1.

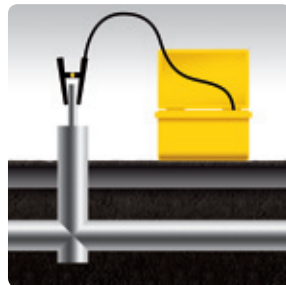


Fig 1.

### Signal Clamp Connection

A Signal Clamp is used to apply the EZiTRACE signal to an insulated electricity cable. Supply is not interrupted by the signal and the operator is not exposed to any live services. Fig 2.

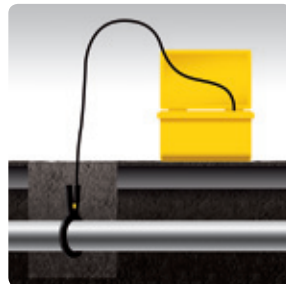


Fig 2.

### Induction

The EZiTRACE induces a tracing signal into the buried service. This is a quick and convenient method when direct connection or signal clamping is not possible. Fig 3.

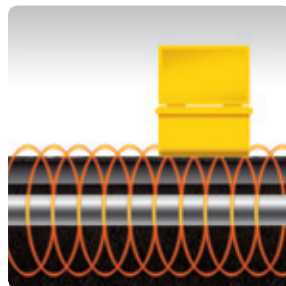


Fig 3.

## EZiROD

The EZiROD enables non-metallic drains, ducts or pipes to be traced when used in conjunction with the EZiCAT and the EZiTRACE or other signal generator.

The EZiROD's coiled fibre-glass rod, which protects the central copper tracing conductor, is available in lengths of 30 metres, 50 metres, or 80 metres.

The fibre-glass rod is inserted and pushed along in the service under investigation. The EZiTRACE is connected, and the tracing signal is located on the surface by the EZiCAT.



## Signal Clamp

### Signal Clamp

For use with the EZiTRACE 8/33 signal generator, enabling connection to cylindrical metallic services (e.g. pipes, insulated electricity cables).

## Property Connection Set

### Property Connection Set

For use with the EZiTRACE signal generator. Connection of a tracing signal to any internal power distribution system outlet.

## Dual Frequency Sonde

### Dual Frequency Sonde

Compact dual frequency signal transmitter used to trace drains, sewers and other non conductive services. The Sonde can be attached to a range of equipment including drain rods, boring tools and inspection cameras.

## Customer Support

### Technical Support

Users of the EZiSYSTEM have easy access to technical support, should it be required. Front line technical support for all tools is provided from experienced professionals at your local dealer or your nearest Cable Detection representative.

### Service and Repair

Cable Detection strongly recommend that the tools are regularly serviced and calibrated every 12 months in an authorised dealer workshop or a Cable Detection service centre. The repair costs for EZiSYSTEM products are highly competitive and turnaround is usually within 4 days.

### Training

Operator training for the EZiSYSTEM is available from our own qualified trainers, or via our approved dealers.



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