

# EZiSYSTEM i-Series

Cable avoidance the EZi way





# Easily avoid buried cables and pipes before excavation work

## Benefits

- Easy-to-use
- Reduce cable strikes
- Avoid costly and time consuming repairs.



Every year site workers are injured and equipment damaged due to accidentally striking buried cables and pipes. As the complexity of large underground networks continually increases, knowing the location of buried cables and pipes prior to excavation work has never been so important.

The use of cable avoidance equipment is standard industry practice and is a legal requirement mandated by the Health and Safety Executive (HSE).

The EZISYSTEM cable avoidance equipment makes locating buried cables and pipes easy and efficient. With an EZiCAT locator there is no need to manually adjust the sensitivity, with the unique Automatic Pinpointing feature users can simply press the trigger and start locating.

**Increasing on-site safety, minimising human error and ultimately saving you time and money.**

# EZiSYSTEM i-Series

## Engineered for challenging site conditions



### Power Industry

The EZiSYSTEM has been engineered to easily and accurately locate power cables even in highly congested underground areas. When used in conjunction with our Signal Clamp a trace signal can be applied to an electrically live cable.



### Construction Industry

The highly durable, weatherproof EZiSYSTEM has flexible operating modes to suit most site conditions and terrain, which is essential on tough, demanding construction sites.



### Rail Industry

Damaging communication cables can be very costly and time consuming to repair, causing major disruption to the rail network. The EZiSYSTEM equipment is **Network Rail Approved\*** and engineered to easily locate cables in congested areas with high levels of electrical interference.



### Telecomm Industry

Locating large bundled cables, such as telecomm cables, can be difficult and time consuming. The EZiCAT locators have flexible operating modes which help to accurately and efficiently locate these large bundled cables. When used in conjunction with the Signal Clamp, a trace signal can be safely applied to a live cable.



### Water Industry

Locating water pipes can support the surveying and mapping of cables and pipes. Using the EZiCAT locators, with a Dual Frequency Sonde or EZiROD provides an ideal solution for locating buried water pipes and drains that can't be detected using standard locating technology.



### Gas & Oil Industries

These can be the most potentially hazardous, costly or environmentally sensitive pipes to strike, therefore most important not to damage. Using the EZiCAT locators with their flexible operating modes and frequencies makes locating these pipes an easy and efficient task.

**INVEST IN YOUR WORKFORCE'S SAFETY BY INVESTING IN THE EZiSYSTEM CABLE AVOIDANCE EQUIPMENT**

\* Network Rail approval only applicable on EZiCAT i500, i550, i600, i650, EZiTEx t100, t300, the EZiROD and Signal Clamp.

# EZiSYSTEM i-Series

## The right products for you and your applications

The EZiSYSTEM cable avoidance equipment can be used for a wide range of applications. Below we propose the locating systems we would recommend for the most common applications.

**Please Note:** We have not covered all the applications the EZiSYSTEM products can be used for. In order to choose the best products for you and your application we would always recommend you speak with a member of our sales team to find the right product for your exact application.



### Drainage & Ducting

**EZiCAT i550** – easy-to-use locator with depth estimation\*.

**EZiTEX t300** – ideal for locating deeper pipelines over longer distances because more powerful signals travel further.

**EZiROD** – ideal for tracing small diameter pipes or ducts and can be used in line or sonde modes.



### Gas & Water Pipes

**EZiCAT i650** – depth estimation\* and data logging locator providing traceable data, often requested by large utility companies.

**EZiTEX t300** – ideal for locating deeper pipelines over longer distances because more powerful signals travel further.

**Dual Frequency Sonde** – compact 8 & 33kHz sonde for locating non-conductive pipes.



### Telecomm & Power Cables

**EZiCAT i750** – depth estimation\*, data logging and GPS locator providing traceable data, to aid safety compliance responsibilities.

**EZiTEX t100** – 1 watt transmitter ideal for use with cables.

**Signal Clamp** – 33kHz clamp ideal for locating specific cables.







# EZiCAT i500 Series

Robust, easy-to-use cable locators



## Features

- Automatic Pinpointing
- Modes:
  - Power (default)
  - Radio
  - Auto
  - 8kHz
  - 33kHz
- Hazard Zone
- Pinpoint Assist
- Signal Strength Indicator
- Built-In Self Test
- Service Due Indicator
- Depth Estimation (**i550 only**)

### Increase your on-site safety

Robust locators engineered for ease-of-use and packed full of well-known, beneficial features. Making avoiding and locating buried utilities an easy and efficient task. The i500 Series locators are simple to operate, enabling users to simply press the trigger and start locating.

### Saves you time and money

The i500 Series locators, as with all EZiCATs, have the unique Automatic Pinpointing feature which makes locating buried cables and pipes easy and simple.

No need to manually adjust the sensitivity, the locator does this for you automatically, ensuring that you're using the ideal sensitivity for the environment you are locating in.

### Applications

Suitable for a wide range of applications and can be used with the EZiTEX signal transmitters and accessories for increased accuracy and applications.

# EZiCAT i600 Series



## Fully integrated data logging

### Features

- Automatic Pinpointing
- Fully Integrated Data Logging
- Bluetooth® Connectivity
- Modes:
  - Power (default)
  - Radio
  - Auto
  - 8kHz
  - 33kHz
- Hazard Zone
- Pinpoint Assist
- Signal Strength Indicator
- Built-In Self Test
- Service Due Indicator
- Depth Estimation (**i650 only**)



### Intelligent data logging locators

The intelligent i600 Series locators have fully integrated data logging capability, logging information on how and when the locator has been used. This data can help you identify training needs of users and for traceability of locating following a near miss, cable strike or similar incident.

You can quickly download the locating data via Bluetooth® to the LOGiCAT software on your PC, Android tablet or mobile phone, then analyse the data using the easy to understand reports.

### Saves you time and money

The i600 Series locators, as with all EZiCATs, have the unique Automatic Pinpointing feature which makes locating buried cables and pipes easy and simple.

No need to manually adjust the sensitivity, the locator does this for you automatically. Ensuring that you're using the ideal sensitivity for the environment you're locating in.

### Applications

Suitable for a wide range of applications and can be used with the EZiTEX signal transmitters and accessories for increased accuracy and applications.

# EZiCAT i700 Series

## GPS locators - Delivering the 'where' in cable avoidance



### Features

- Automatic Pinpointing
- Fully Integrated GPS
- Fully Integrated Data Logging
- Bluetooth® Connectivity
- Modes:
  - Power (default)
  - Radio
  - Auto
  - 8kHz
  - 33kHz
- Hazard Zone
- Pinpoint Assist
- Signal Strength Indicator
- Built-In Self Test
- Service Due Indicator
- Depth Estimation (**i750 only**)

### Increased confidence in cable locating activities

The highly intelligent i700 Series locators have fully integrated GPS technology and data logging capability, logging information on how, when and importantly where the locator has been used. This data can help you identify training needs of users and for increased traceability of locating following a near miss, cable strike or similar incident. Giving you increased confidence in your organisations cable locating activities.

You can quickly download the locating data via Bluetooth® to the LOGiCAT software on your PC, Android tablet or mobile phone, then analyse the data using the easy to understand reports.

### Saves you time and money

The i700 Series locators, as with all EZiCATs, have the unique Automatic Pinpointing feature which makes locating buried cables and pipes easy and simple.

No need to manually adjust the sensitivity, the locator does this for you automatically. Ensuring that you're using the ideal sensitivity for the environment you're locating in.

### Applications

Suitable for a wide range of applications and can be used with the EZiTEX signal transmitters and accessories for increased accuracy and applications.



# EZiTEX Signal Transmitters



## Locate more buried cables and pipes

### Features

- Modes:
  - 33kHz
  - 8kHz
  - 8kHz and 33kHz (connection mode)
- Clear audio and visual controls
- Built-in test function, allowing operators to test the hardware and software is functioning correctly before use.



### Don't risk striking a 'hidden' utility

Some buried cables and pipes may not carry a detectable signal. An EZiTEX signal transmitter will help reduce your risk of striking one of these 'hidden' utilities, by applying a signal onto the cable or pipe. The signal transmitter can also be used to help locate specific utilities, by being used in conjunction with the EZiSYSTEM accessories range (see page 9 for accessories).

**1 Watt (EZiTEX t100) and 3 Watt (EZiTEX t300) signal transmitters available.**

The EZiTEX t300 delivers more power, enabling you to trace cables over a greater distance when compared with the t100.

### Benefits

- Trace cables and pipes over a greater distance
- Depth estimation, when using a depth locator
- Improved detection in areas of high signal interference.

### Applications

Suitable for a wide range of applications and can be used with the EZiSYSTEM accessories for increased accuracy and applications.

**“On average, a Signal Transmitter will help you locate 50% more buried cables and pipes than using a locator by itself”**



# Accessories and Software

## Making cable avoidance easier and more efficient



### EZiROD

Makes locating non-metallic drains, ducts or pipes quick and easy, when used in conjunction with the EZiTEX signal transmitters. Available in 30, 50 or 80 metres in length and 8 or 13mm diameter sondes.

### Signal Clamp

The ideal solution for highly congested underground areas, where you are trying to locate a specific cable or pipe. Needs to be used in conjunction with an EZiTEX signal transmitter.

### Dual Frequency Sonde (8kHz & 33kHz)

Compact dual frequency signal transmitter used to locate and avoid drains, sewers and other non-conductive pipes. The Sonde can be attached to a range of equipment and has a depth range of 5 metres.

Suitable for a wide range of applications and can be used with the EZiTEX signal transmitters (where applicable) for increased accuracy and applications.

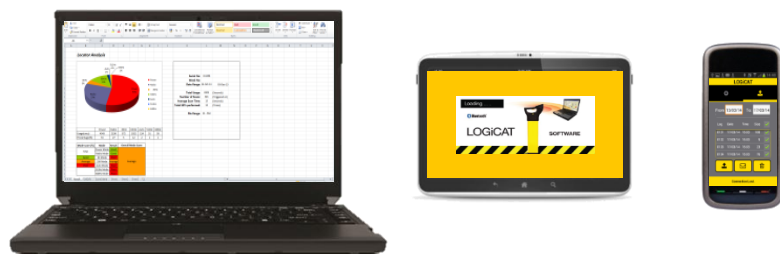
## LOGiCAT Software

The LOGiCAT software makes analysing your cable locating data quick and easy. For use with the data logging EZiCAT locators i600, i650, i700 and i750. Locating data can be downloaded via Bluetooth® to a PC, Android tablet or mobile phone, using the LOGiCAT software or mobile phone app.

### What? How? Where?

Traceable data includes:

- Time and date of use
- Usage duration
- User identification
- Mode of operation
- Service detection
- GPS positioning of use\*.



\*700 series locators only

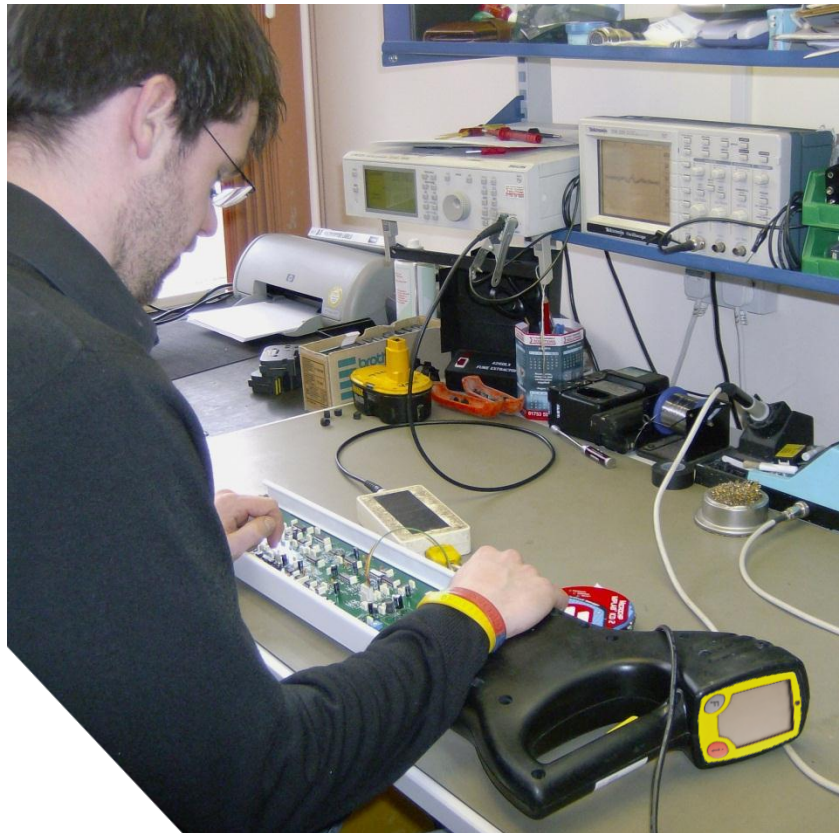
# Service

## Quality service every time

### Products we repair and service

- All EZiSYSTEM products
- All Digisystem products
- We repair most makes and models of competitors cable locators and signal transmitters as well.

Did you know we also service some makes of gas monitors?



As manufacturers, we recommend you get your cable avoidance equipment serviced every 12 months. Why? Because if the equipment is not maintained you can't be sure that it's working correctly, therefore you might miss locating buried cables. Ultimately putting your workforce and excavation equipment at risk of injury or damage.

#### Hassle free service from start to finish.

Are you based within 50 miles of Stoke-on-Trent? If so we can collect your equipment for FREE on our van run and drop it off for you the following week. An easy and reliable option.

Alternatively we can arrange the collection and delivery of your CAT, signal transmitter or gas monitor anywhere in the UK.

We offer a superior, high quality service every time, with a **4 day turnaround** on equipment to help keep your downtime to a minimal.

#### What makes our service so special?

- Your equipment will be fully stripped and cleaned
- New batteries and battery holders will be fitted
- All the mechanical components and modules will be stringently tested
- Your equipment will be fully calibrated to the manufacturers specification
- We even send you a reminder before your equipment is due for a service.

# Cable Avoidance Training

Invest in your workforce's safety



## Courses

Training courses on our EZISYSTEM products:

- Product Familiarisation
- Cable Avoidance Training
- Train the Trainer



The pitfalls of striking buried cables or pipes are well known, in terms of injury to site workers and disruption of supply, but what is less well-known is how easy it is to guard against such situations. The Health and Safety Executive (HSE) recommends that *“anyone who uses a locator should receive thorough training on its uses and limitations”*.

### Why do you need training?

To reduce the risk of cable strikes and keep your workforce safe. Ensuring you get the most out of the equipment you have invested in.

### The Cable Detection Training Academy

The Training Academy provides expert cable avoidance training, delivered by highly experienced trainers. Our dedicated training centres in Stoke-on-Trent and Milton Keynes, provide the ideal setting for the practical training elements. Alternatively for larger groups we can deliver training at your premises anywhere in the UK.

The training covers both practical and theoretical elements in a relaxed and friendly way, with easy to understand materials.



# Invest in your workforce's safety

by investing the EZiSYSTEM cable avoidance equipment



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For more information on cable avoidance tools visit [www.cabledetection.co.uk](http://www.cabledetection.co.uk)