

EZiCAT i600xf

Benefits

- State of the art digital signal processing technology (DSP).
- Automatic controls – making the EZiCAT easy to use, requiring minimal user experience.
- Mode Lock – locator starts in last mode of operation at maximum sensitivity. For ease of use when used with transmitter.
- Hazard Zone feature indicating shallow buried service in Power, 8 kHz, 33 kHz Auto, 512 Hz, 640 Hz modes.
- Inbuilt 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 spanner icon 12 months after first use.

Flexibility

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

Auto Mode

Auto

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

Transmitter Modes

512 Hz 640 Hz 8 kHz 33 kHz

- **512 Hz & 640 Hz**
Enables long distance tracing.
- **8 kHz**
Mid range distance tracing.
- **33 kHz**
Standard tracing frequency on avoidance locators, used for everyday site use.

Radio Mode

A

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

Power Mode

W

Locates power signals radiated by energized cables which pose the most significant risk to excavation teams.

Intelligence

Mode Lock

Locator starts in last mode of operation at maximum sensitivity, to simplify tracing.

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, allowing the operator to quickly and accurately pinpoint the service.

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 the service which is connected to the EZiTEX Signal Transmitter. 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.

Additional features

Data Logging

The EZiCAT 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. Storage time is approximately 80 hours use.

Bluetooth Connectivity

The EZiCAT i600xf locator has 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.

Selectable Bluetooth Option

Standard format supplied on all Bluetooth enabled cable locators or a shortened version furthering the integration into GIS solutions.

LOGiCAT Software

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



EZiCAT i600 features full LOGiCAT software compatibility. Page 13.

Specifications

EZiCAT i500xf

Frequency / Mode	Power mode 50 Hz or 60 Hz, Radio mode 15 kHz to 60 kHz Transmitter mode 8 kHz, 33 kHz, 512 Hz, 640 Hz. Auto mode = Power + Radio mode
Typical detection range	Power to 3m, Radio to 2m, Transmitter Mode – Dependant on Transmitter or Sonde
Protection	Conforms to IP54
Bluetooth	Not available
Batteries	6 x AA alkaline (IEC LR6 supplied)
Battery life	40 hours intermittent use (at 20°C)
Weight	2.7kg including batteries

EZiCAT i550xf

Frequency / Mode	Power mode 50 Hz or 60 Hz, Radio mode 15 kHz to 60 kHz Transmitter mode 8 kHz, 33 kHz, 512 Hz, 640 Hz. Auto mode = Power + Radio mode
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. 10% of depth in Line or Sonde Mode
Protection	Conforms to IP54
Bluetooth	Not available
Batteries	6 x AA alkaline (IEC LR6 supplied)
Battery life	40 hours intermittent use (at 20°C)
Weight	2.7kg including batteries

EZiCAT i600xf

Frequency / Mode	Power mode 50 Hz or 60 Hz, Radio mode 15 kHz to 60 kHz Transmitter mode 8 kHz, 33 kHz, 512 Hz, 640 Hz. Auto mode = Power + Radio mode
Typical detection range	Power to 3m, Radio to 2m, Transmitter Mode – Dependant on Transmitter or Sonde
Protection	Conforms to IP54
Bluetooth	As Standard
Batteries	6 x AA alkaline (IEC LR6 supplied)
Battery life	40 hours intermittent use (at 20°C)
Weight	2.7kg including batteries
Compatibility	CSV file compatibility program
Memory size	32Mb memory
Capacity	80hrs of data

EZiCAT i650xf

Frequency / Mode	Power mode 50 Hz or 60 Hz, Radio mode 15 kHz to 60 kHz Transmitter mode 8 kHz, 33 kHz, 512 Hz, 640 Hz. Auto mode = Power + Radio mode
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. 10% of depth in Line or Sonde Mode
Protection	Conforms to IP54
Bluetooth	As Standard
Batteries	6 x AA alkaline (IEC LR6 supplied)
Battery life	40 hours intermittent use (at 20°C)
Weight	2.7kg including batteries
Compatibility	CSV file compatibility program
Memory size	32Mb memory
Capacity	80hrs of data

EZiTEX t100xf

Operating transmission frequencies	8.192 kHz, 32.768 kHz, mixed 8/33, 512 Hz, 640 Hz
Output power	4 levels
Induction (8 kHz, 33 kHz)	Up to 1W max
Direct connection (100 Ohms)	Up to 1W max when connected to a buried service with an impedance of 100 Ohms
Battery type	4 x D alkaline (IEC LR20), supplied
Battery life	(typical use at 20°C) 30hrs intermittent use
Weight	2.4kg including batteries
Dimensions	105mm (H) x 190mm (D) x 235mm (W)
IP rating	(case lid closed) IP65
IP rating	(case lid open) IP54

EZiTEX t300xf

Operating transmission frequencies	8.192 kHz, 32.768 kHz, mixed 8/33, 512 Hz, 640 Hz
Output power	4 levels
Induction (8 kHz, 33 kHz)	Up to 1W max
Direct connection (100 Ohms)	Up to 3W max when connected to a buried service with an impedance of 100 Ohms
Battery type	4 x D alkaline (IEC LR20), supplied
Battery life	(typical use at 20°C) 20hrs intermittent use
Weight	2.4kg including batteries
Dimensions	105mm (H) x 190mm (D) x 235mm (W)
IP rating	(case lid closed) IP65
IP rating	(case lid open) IP54

EZiROD

Protection	Conforms to IP54 (30/50/80 metre coil of copper conductor sheeted by fibre glass)
Weight	3kg/3.25kg/3.5kg

Dual Frequency Sonde

Operating transmission frequencies	8.192 kHz, 32.768 kHz
Battery type	1 X LR6 (AA) alkaline
Battery life (typical use at 20°C)	40hrs intermittent use at 20°C/68°F in 8 kHz mode or 33 kHz mode
Weight	0.18kg
Dimensions	38mm (H) x 120mm (W)

