

ULTRA SYSTEM

PRODUCT SPECIFICATIONS

LOCATORS

Frequency / Mode (factory enabled)	Power mode 50 Hz, 100 Hz, 450 Hz Radio mode 15 kHz to 60 kHz Transmitter mode 512 Hz, 3140 Hz, 8192 Hz, 32768 Hz, 83.1 kHz, 200 kHz Sonde mode Preset 512 Hz, 640 Hz, 8192 Hz, 33768 Hz and 83.1 kHz (22 frequencies user configurable)
Antenna Configuration	Single peak, twin peak, null, total signal or left/right (cable only)
Depth	Power to 3m (10 ft.) Radio to 2m (6 ft.) Transmitter modes to 4.6m (15 ft.) Sonde to 6m (20 ft.)
Depth Estimation	5% of depth in line or sonde (0.2m to 4.6m depth range) 10% of depth Sonde 4.6m to 6m
Bluetooth™	Only available on the Advanced Locator
Battery Type	2 x D alkaline (IEC LR20), not supplied
Battery Life	60 hours intermittent use (at 20° C / 68° F)
Shutdown	Selectable auto shutdown after 5, 10, 20 or 30 minutes
Operating Temperature Range	-20° C to 50° C (-4° F to 122° F)
Dimensions	700 mm (H) x 325 mm (L) x 122 mm (W) (27" H x 1.8" L x 4.8" W)
Weight	2.18 kg (4.8 lbs) including batteries
IP Rating	IP65

TRANSMITTERS

Operating Frequencies (factory enabled)	512 Hz, 3140 Hz, 8192 Hz, 32768 Hz, 83.1 kHz, 200 kHz (12 frequencies user configurable)
Output Power Control	5 levels
Induction (Max)	3 Watt
Direct Connection (Max)	5 or 12 Watt (model specific) when connected to a buried service with an impedance of 100 Ohms
Battery Type	10 x D alkaline (IEC LR20), not supplied
Battery Life	Up to 100 hours intermittent use (level 2 output at 20° C / 68° F)
Shutdown	Selectable auto shutdown after 1, 2, 3, 4, 5, 6, 7 or 8 hours
Operating Temperature Range	-20° C to 50° C (-4° F to 122° F)
Dimensions	255 mm (H) x 190 mm (D) x 305 mm (W) - (10" H x 12" L x 8" W)
Weight	3.5 Kg (8 lbs) including batteries
IP Rating	IP65

Cable Detection Ltd
Part of Hexagon

T: +44 (0)1782 384630
F: +44 (0)1782 388048
E: sales@cabledetection.co.uk

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

ULTRA SYSTEM

EXPERT UTILITY TRACING AND LOCATING



ULTRA SYSTEM

Easily locate cables and pipes with pinpoint accuracy



BENEFITS

- > Easy to use
- > Pinpoint accuracy
- > Flexible operating modes to suit the most challenging site conditions

FEATURES

- > Remote controlled transmitter*
- > Signal interference monitor*
- > Signal direction enabled

The complexity of large underground utilities networks is continually increasing. So obtaining precise information on the location of specific buried cables and pipes has never been so important in order to protect buried assets during ground excavation work and supporting the mapping and surveying of these existing utilities.

The ULTRA System has unique flexible operating modes to help you easily decide the right mode for your locating application and site conditions. The intelligent utility locator monitors the signal interference levels in all available modes and recommends which to use for the best results*. Saving you time and giving you increased confidence in your results.

THE EXPERTS CHOICE FOR ALL UTILITY LOCATING AND TRACING

ULTRA SYSTEM – THE BEST SYSTEM FOR THE MOST CHALLENGING CONDITIONS



POWER INDUSTRY

The ULTRA System is designed to easily trace power cables over long and short distances with pinpoint accuracy, especially in areas with high levels of electrical interference. When used in conjunction with the supplied Multi Clamp a trace signal can be safely applied to an electrically live cable. The A-Frame accessory can also be used to easily locate cable sheath faults.



TELECOM INDUSTRY

Tracing and locating large bundled cables, such as fibre optic cables, can be difficult and time consuming. The ULTRA System's high frequency modes are ideally suited for these types of cables, helping to improve your productivity and locating reliability of all cable types. The A-Frame accessory can be used to easily locate cable sheath faults.



CIVIL ENGINEERING AND CONSTRUCTION INDUSTRIES

The highly durable, weatherproof ULTRA System has a flexible operating system to suit most site conditions and terrain, which is essential on complex and demanding civil engineering and construction sites.



GAS & OIL INDUSTRIES

These can be the most potentially hazardous, costly or environmentally sensitive pipes to strike and therefore most important not to damage. Using the ULTRA System's range of low frequency modes, locating and tracing these pipes is easy over long distances, maintaining maximum accuracy.



RAIL INDUSTRY

Damaging communication cables can be very costly and time consuming to repair, causing major disruption to the rail network. The ULTRA System is designed to easily locate and trace cables in congested areas and with high levels of electrical interference.



WATER INDUSTRY

Locating and tracing pipes can support the mapping and surveying of utilities. Using the ULTRA System with our Dual Frequency Sonde is the ideal solution for locating deep underground non-metallic sewerage and drainage pipes, that can't be detected using standard locating technology.

ACCESSORIES



Multi Clamp (5" or 7")



EZIROD



Dual Frequency Sonde



A-Frame

*Only available on the Advanced ULTRA System