

Easy Locator Pro WideRange HDR

Terraplus introduces a unique addition to the Easy Locator product family — **Easy Locator Pro WideRange HDR**, with the widest GPR antenna bandwidth available for utility detection and subsurface anomaly locating on the market. Ultra-fast simultaneous high-resolution data acquisition for both shallow and deep targets- all in one solution.

The Easy Locators offer a cost-effective, end-to-end solution for utility detection. Robust, foldable GPR-systems with exceptional data collection capabilities, offering results within minutes, directly onsite.



The Easy Locator product family offers a flexible assortment, from simple to advanced, but still with quality and ease-of-use in common. ObjectMapper 2.0 is also offered in conjunction with the **Easy Locator Pro WideRange HDR**, with improved user interface and online map support.

Underground utilities are assets that need to be protected. It is essential to obtain precise and reliable information about the location and depth of buried infrastructure, such as pipes, cables and other utilities.

GPR is a non-intrusive technology and is able to detect both metallic and non-metallic utilities. The EL user-interface is tailored for utility location and is easy-to-use with simple navigation controlled by a single turn-and-push navigator button.

The HDR real-time sampling technology offers higher data resolution and significantly better depth of penetration compared to traditional GPR technology.

The HDR technology reduces random noise; providing an unparalleled level of data quality.

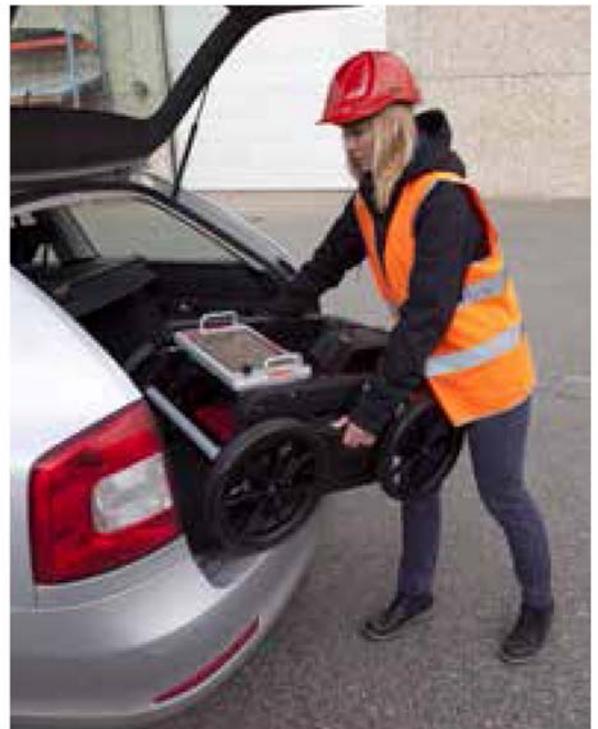
The Easy Locators are protected in robust, high quality casing, built to last in harsh conditions and rough transportation. To simplify logistics between sites and minimize start-up time, the systems are foldable and designed to fit in the trunk of a car.

The re-engineered and remarkably improved Pro Cart takes the operation to a higher level with improved stability and folding mechanics, which facilitates the transport and time out on the field.

The systems are foldable and can fit in the trunk of a car

HDR Technology

- ▷ Significantly faster data acquisition rates
- ▷ Greater signal-to-noise ratio
- ▷ Increased bandwidth
- ▷ Unprecedented dynamic range and resolution
- ▷ Higher number of significant bits
- ▷ Greater depth penetration
- ▷ Better detection capabilities



Easy Locator Pro WideRange HDR

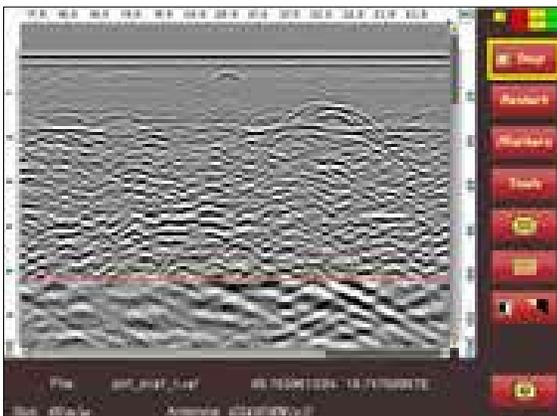
Ultra-fast data acquisition for both shallow and deep utility targets

The Easy Locator Pro WideRange HDR is the new antenna option for the Easy Locator Pro and offers the broadest bandwidth on the market (80 – 950 MHz). Therefore, the antenna is suitable for both shallow high-resolution surveys and deeper investigations. Software engineers have made their utmost to maintain the simplicity of the user-friendly interface — gaining easy access to the benefits of the new antenna.

The high resolution display will present the WideRange data with a movable horizontal divider at the center of the screen. By moving the divider (up or down) the user will be able to view more (or less) of the high resolution or deep penetrating data respectively.

The re-engineered Easy Locator Pro Cart has improved stability, folding mechanics, new controller tray and a completely encapsulated, wheel axis mounted, encoder.

The new battery compartment is completely mechanically re-designed, giving much smoother handling, more battery space and a better lock, the utility locating becomes more efficient. In conjunction with **the Easy Locator Pro WideRange HDR**, Object Mapper 2.0, is released with improved user interface and online map support.



Movable horizontal divider.

The user controls the view by moving a divider up and down

Easy Locator HDR WideRange is offered with the ObjectMapper 2.0 software. ObjectMapper is an easy-to-use and appreciated software for utility detection professionals. The new 2.0 version includes an improved and intuitive interface and support for online maps.

The background maps handle e.g. Google Maps, OpenStreet map and Open Aerial. The new soft-ware also has an improved DXF export, built-in GPS Mapper functionality and export to KMZ files.

Features

- ▷ Effective bandwidth: 80-950 MHz, no “blind spots”
- ▷ Both high resolution data and deep penetration
- ▷ Alternative data views - More (or less) of the high resolution or deep penetrating data
- ▷ Pro Cart with improved stability, folding mechanics, battery compartment, tire-options
- ▷ Improved and intuitive interface
- ▷ Support for online maps
- ▷ Improved export functionalities

Easy Locator Pro WideRange HDR Controller Specifications

Processor	1.6 GHz Intel Atom
Display	High Resolution 1024 x 768 pixels High contrast – Sunlight-readable
Operating system	Linux
Memory	8 GB compact Flash memory
Data output resolution	32 bit (*.rd7)
Communication	Ethernet, USB, RS232 (serial)
GPS	Built-in GPS in antenna (SBAS), support for external GPS
Power supply	10-15 V DC source
Operating time	Up to 8 hours
Power consumption	1.3 – 1.8 A (depending on back-light settings)
Dimensions	430 x 360 x 180 mm, including handles
Weight	2.5 kg / 5.5 lbs
Operating temp	-20 °C to +50 °C / 0 °F to 120 °F
Environmental	IP 65

Easy Locator Pro WideRange HDR Antenna Specifications

Technology	HDR Technology
Effective bandwidth	80-950 MHz
SNR	> 101 dB
Significant/useful number of bits	> 18 bit
Scans/second	> 500
Operating time	Up to 8 hours
Positioning	Built-in DGPS (SBAS), external GPS, wheel encoder
Power supply	Interchangeable 12 V Li-Ion batt. or ext. 12 V DC source (hot-swap)
Power consumption	3 A
Acq. Mode	Wheel, time or manual
Dimensions	720 x 480x 190 (L x W x H)
Weight	10,8 kg / 23.8 lbs
Operating temp	-20 °C to +50 °C / 0 °C to 120 °F
Environmental	IP 65

Easy Locator Cart MK2

Dimensions, folded for transport	820 x 640 x 400 (L x W x H)
Dimensions, when in use	1100 x 640 x 1000 (L x W x H)
Weight	13 kg / 28.7 lbs
Battery compartment	Fits four 12 V Li-Ion

Easy Locator Pro HDR



The Easy Locator Pro HDR (EL Pro HDR), is the third generation Easy Locators, with added features for utility professionals with requirements of post-processing data.

The Easy Locator Pro HDR allows for 32 bit data export to processing and visualization software.

The Easy Locator Pro HDR is capable of performing Grid Projects and is bundled with ObjectMapper.

The system has built-in DGPS (SBAS) for positioning, and supports improved positioning through various stand-alone high precision GPS systems.

Features

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| ▷ Easy-to-use foldable all-in-one unit | ▷ Exceptional detection capabilities |
| ▷ Outstanding data quality | ▷ Fast data acquisition |
| ▷ Startup within minutes | ▷ Built-in DGPS for improved positioning * |
| ▷ Results directly on-site | ▷ Data export and post-processing software * |

** Feature only applies to Easy Locator Pro*

Easy Locator HDR

The Easy Locator's second generation is a compact and cost-effective system delivering results directly in the field.

The system has a back-up cursor for quick and accurate utility marking and multiple battery management, which gives up to 14 hours of continuous run-time.



Rough Terrain Cart

The Easy Locator antenna, control unit and monitor can also be mounted in the Rough Terrain Cart (RTC), increasing the operational capabilities in more rugged terrain.

OPTIONAL ROUGH TERRAIN CART



Easy Locator

The professional's choice for utility locating

The Easy Locator-series offer all-in-one, foldable GPR-systems especially designed for utility location.

Based on unique HDR technology, the Easy Locators provide an unparalleled level of data quality and exceptional detection capabilities.

