



Introducing
Easy Locator
Pro WideRange HDR
The widest GPR antenna
bandwidth on the market

▶ GPR-system designed for utility locating

MALÅ 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.

Introducing the **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 in one solution.

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.

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

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

MALÅ 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.

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



The systems are foldable and designed to fit in the trunk of a car.

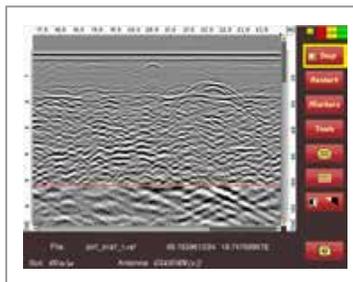
Easy Locator Pro WideRange HDR

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

MALÅ Easy Locator Pro WideRange HDR 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 at MALÅ 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 EL Pro Cart has improved stability, folding mechanics, and a completely encapsulated, wheel axis mounted, encoder. The new battery compartment is completely mechanically re-designed, giving much smoother handling and more battery space.



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

EL HDR WideRange is available with the MALÅ 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 software 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

Technical Specification

EL Pro WideRange HDR Controller

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)
Comms	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 hrs
Power consumption	1.3 – 1.8 A (depending on back-light settings)
Dimensions	L330 x W220 x H90mm, including handles
Weight	2.5 kg / 5.5 lbs
Operating temp	-20 °C to +50 °C / 0 °F to 120 °F
Environmental	IP 65

EL Pro WideRange Antenna

Technology	MALÅ 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 hrs
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 or manual
Dimensions	L720 x W480 x H190mm
Weight	10.8 kg / 23.8 lbs (including skidplate 11.8kg)
Operating temp	-20 °C to +50 °C / 0 °C to 120 °F
Environmental	IP 65

EL Pro Cart Mk2

Dimensions, folded for transport	L820 x W695 x H420mm
Dimensions, when in use	L1060 x W695 x H1050mm
Weight	13 kg / 28.7 lbs



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