

## Technical Specification

The MALÅ Easy Locator WideRange is a professional work tool designed for efficient utility detection. With the widest GPR antenna bandwidth currently available in the market, the EL WideRange facilitates ultra-fast, simultaneous high-resolution data acquisition for both shallow and deep targets—all conveniently housed in a rugged cart solution.

Together with the MALÅ Rough Terrain Cart (RTC), the Easy Locator WideRange is adaptable to virtually any terrain. For an easy workflow, data is managed in MALÅ Vision. The software features cloud-based storage and processing, a user-friendly interface and direct reporting capabilities.

All MALÅ Easy Locators are robust GPR-systems with exceptional capabilities for utility detection and pinpointing subsurface anomalies. The Easy Locator WideRange is using MALÅ HDR, real-time sampling technology, giving higher data resolution and significantly improved depth of penetration compared to traditional GPR technology.



## Easy Locator WideRange HDR Controller

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

# Easy Locator WideRange Antenna

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

# Rough Terrain Cart (RTC)

<b>Weight</b>	21 kg / 46,3 lbs, without controller or antenna mounted
<b>Battery bay/compartament</b>	Up to four standard MALÅ 12V batteries



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