

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

Processor	1.6 GHz Intel Atom
Display	High Resolution 1024 x 768 pixels, High contrast – Sunlight-readable Linux
Operating system	readable 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	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 WideRange Antenna

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

Rough Terrain Cart (RTC)

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



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