

MALÅ

Professional Explorer

GROUND PENETRATING RADAR

The most versatile GPR system on the market



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The MALÅ Professional Explorer (ProEx) System is a modular, full-range Ground Penetrating Radar (GPR) system designed to meet the needs of the advanced professional.

Designed on a modular platform, the MALÅ ProEx is the most versatile system on the market. The system can handle virtually any type of GPR investigation, from multi-channel roadway mapping, borehole investigations and concrete analysis, to landscape profiling or utility detection. It is an ideal solution for research organizations, general geophysics contractors, consultants, and other users with varying configuration needs.

The MALÅ ProEx was designed with multi-channel and array data collection in mind. Using multiple processors, the ProEx system will maintain its high data acquisition rate regardless of number of data channels used.

MALÅ ProEx supports a broad range of antennas, from 30 MHz to 2.3 GHz making the system scalable from a single basic configuration to a multi-channel system.

Depending on the configuration and the antennas used, the MALÅ ProEx can perform various types of measurements, including standard reflection surveys, tomography, or velocity (CMP/WARR) measurements, for virtually any kind of application.

All parts of the system are designed with field use in mind; the rugged housing is IP65 and the XV Monitor has a tough impact resistant screen.

MALÅ ProEx's modular design offers a flexible and affordable choice to system configuration. You need only to invest in what you need today; however, as your needs change, so can your MALÅ GPR system.

Typical applications

- ▷ Road & transportation investigation
- ▷ Utility detection & mapping
- ▷ Borehole investigations
- ▷ Climate research
- ▷ Lake and river bathymetry
- ▷ Geological layer detection
- ▷ Forensic investigations
- ▷ Concrete NDT & Civil Engineering
- ▷ Research
- ▷ Archaeology
- ▷ Mining

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System Configuration

In its basic configuration the unit supports two hardware channels. Cross-communication between data channels is possible. The MALÅ ProEx Expansion Unit, can be added allowing up to eight individual antennas.

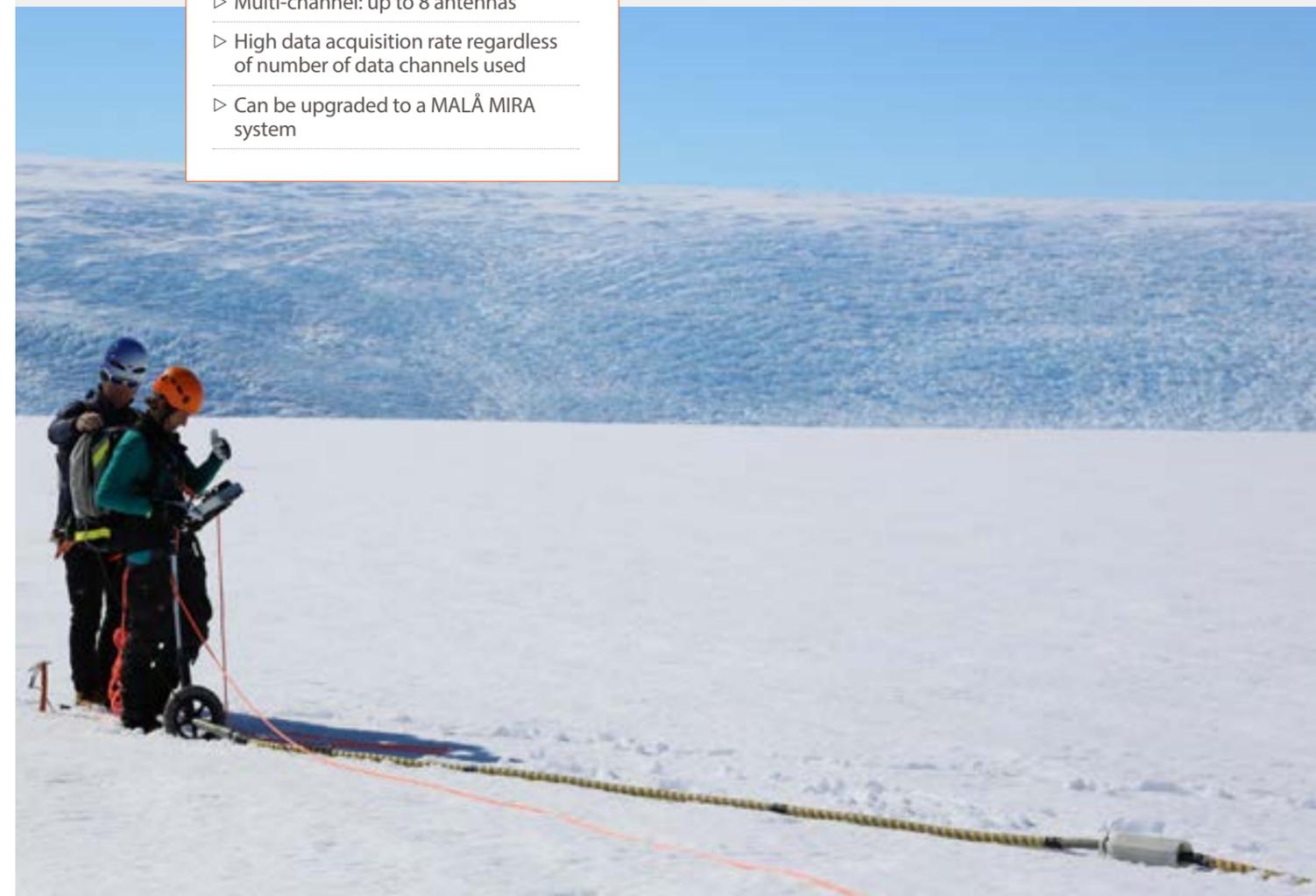
At the heart of the system is the MALÅ ProEx Control Unit, optimized for efficient data collection regardless of number of antennas in use.

Features

- ▷ Modular design
- ▷ Supports broad range of antennas 30 MHz - 2.3 GHz
- ▷ Multi-channel: up to 8 antennas
- ▷ High data acquisition rate regardless of number of data channels used
- ▷ Can be upgraded to a MALÅ MIRA system

A choice of three antenna modules (optical, high frequency and coax) allows the user to configure the system as either a single, dual or multi-antenna operation.

The ProEx can be operated by a regular notebook PC or the MALÅ XV Monitor – a dedicated data acquisition platform for MALÅ GPR systems. MALÅ XV Monitor has a rugged housing, an impact resistant screen and intuitive user interface optimized for field work.



MALÅ ProEx

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Designed on a modular platform, MALÅ ProEx offers a flexible and versatile approach to detecting subsurface targets and geological layers accurately, efficiently and in real-time. MALÅ ProEx can handle any type of GPR investigation, from arctic studies, borehole investigations and multi-channel roadway mapping, to locating sites for safe nuclear waste repositories. MALÅ ProEx can be configured as a single, dual-channel or 3D multi-channel system through optional expansion units. You need only to invest in what you need today; as your needs change, so can your GPR system.

GUIDELINEGEO

GUIDELINE GEO has been in the geophysics business since 1923 and is the global leader in near-surface geotechnology. Our advanced technology ensures practical solutions to everyday, societal, and global problems. We deliver total solutions in the technological fields of ground penetrating radar, seismic, geoelectrical and electromagnetic measurement. The Guideline Geo AB share (GGEO) is listed on Nasdaq First North Growth Market. We are a Swedish company with international offices and regional partners serving clients in over 100 countries.

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