



ORDER SPECIFICATION

GPR 30 MHz Antenna Set

The set includes low-frequency GPR antenna enabling deep ground sounding in harsh environments (glaciated areas, polar regions, high mountains) and software allowing to process data from radio-echo sounding).

Detailed specification:

- 30 MHz antenna, compatible with the Malå ProEx control unit, reinforced, flexible, with integrated transmitter and receiver and a cable allowing to connect with the control unit, capable to towing along rough surfaces – 1 pc.
- Rechargeable batteries for transmitter and receiver of 30 MHz antenna – 1 set.
- Battery charger (110-220 V) with EU power plug to the battery type used in the set – 1 pc.
- Towing belt for antenna – 1pc.
- Shipping case for antenna and accessories - 1 pc.
- Warranty 24 months
- Software for radar data processing, interpretation and visualization for education and research purposes – 12 pc.
 - Compatible with data format of following GPR sets: RAMAC/GPR/ProEx (Mala Geoscience), SIR (GSSI), PulseEKKO (Sensors&Software), Zond (Radar Systems), OKO (Logis) and universal SEG-Y format (other formats are acceptable in addition).
 - Allows to accomplish following processes: reading and visualization GPR profile, DC removal, trace edit and spatial interpolation, amplitude correction, deconvolution, migration, 2D filtering, bandpass filtering, topographic correction, determination of dielectric constant and radio wave velocity, composition of velocity models, time to depth conversion, picking of reflection horizons.
 - Default parameters of above mentioned data processes should be predefined.
 - Graphical interface enabling intuitive data processing to be required
 - Installation requirements: operating system Windows 7 or newer