

EXP 5000

General Description

The eXp 5000 is a measuring instrument of newest technology and has been developed in particular for professional use. Through the supplied video eyeglasses buried objects like boxes, pipes, metals but also cavities and grave chambers under the surface becomes visible immediately. Further more the video eyeglasses are optimised for the search during the night and also protects against perturbing sunlight at day.



Compact equipment and easy handling

The eXp 5000 includes an easily removable control unit which makes it easier to use in different areas. With its compact equipment the device is also easy to handle in terrains which are difficult to access.

Fast processing of measured data

The device allows measurements in brilliant resolutions up to a depth of 25m. All recorded data is processed immediately through the integrated pc-module and becomes visible through the video eyeglasses. The amount of possible measurements is almost indefinite and only limited by the storage capacity of 128 MB. All collected measured data can be transferred afterwards to a computer to analyse the results professionally in the Visualizer 3D software program. To every graphical representation date and time are saved automatically and can be adapted individually to the actual time zone.



GPS receiver for navigation

The integrated GPS receiver refers every recorded measurement to its appropriate measured area. If you do not know exactly where a measurement was performed, the GPS is able to navigate you to the corresponding place.

Optional accessories as specialization

With different antennas the eXp 5000 can be optimized on special purposes:

- ✓ GPR-antenna (25cm, 50cm, 75cm, 100cm)
- ✓ Antenna for metal discrimination (DDV-System)
- ✓ Antenna for tunnel and cavity detection
- ✓ Super Sensor for high resolution ground scans
- ✓ VLF emitter (4 pieces)

Technical specification

The following technical indications are medial values. During operation small variations are quite possible.

Control Unit

Operating Temperature	0°C – 50°C
Storage Temperature	-20°C – 60°C
Air Humidity	5% – 75%
Waterproof	No
Dimensions (H x W x D)	75mm x 130mm x 177mm
Weight	about 1kg
Voltage	9,6 - 14,4 VDC, 22W maximum
Operating time (full charged battery, delivered power supply, 25°C)	about 3 hours
Video eyeglasses	640 x 480 Pixel, Color
Processor	300 MHz Processor, INTEL i586-compatible
Working memory	128 MB RAM
Data memory	128 MB
Feedback	audible, visual
Maximal penetration depth: Magnetometer	about 2 meters
Maximal penetration depth: Ground Scan	about 25 meters
Maximal penetration depth: Discrimination	about 25 meters
Maximal penetration depth: Metal Detector	about 2 meters

Data Transmission

Technology	USB
Maximum Transfer Rate	19200 Baud

Computer, Minimum Requirements

The computer is not part of the scope of delivery. The indicated values should help you for a correct selection of a suitable computer for analysis of your measured results.

CD-ROM Drive	minimum 4x
Interface (Data transmission)	USB
Free Memory	minimum 20 MB
Working memory (RAM)	minimum 128 MB
Graphic card	minimum 64 MB, OpenGL-compatible
Processor	minimum 1.2 GHz
Operating system	Windows 98SE, Me, 2000, XP