Underwater Metal Detector Proton Magnetometer

This is an underwater metal detector with a proton magnetometer. It features high resolution, full automatic tuning, and a dot matrix graphic LCD.

Product Overview

High-Sensitivity Proton Magnetometer

This proton magnetic detector is a highly sensitive instrument designed for precise weak magnetism measurement, operating on the principle of proton magnetic moment in geomagnetism. It is an essential tool for geological exploration, oil and coal surveying, ocean magnetic measurements, and earthquake prediction research. The system features a robust, portable design with full automatic tuning and PC connectivity for efficient data analysis.

Key Performance Metrics

Measurement Range

30000 nT
Min Range

70000 nT
Max Range

Accuracy & Resolution

Parameter	Value
Resolution	0.1nT
Precision	±1nT
Vertical Gradient	d2000T/m
Horizontal Gradient	d1500T/m

Technical Specifications

Data Storage Capacity

- 4005 points (daily variation method)
- 2670 points (manual method)

Power & Environmental

- Battery: Lithium, 15.5V-16.8V/3.8Ah
- Battery Life: 10 hours continuous
- Operating Temperature: -20°C to +50°C
- Operating Humidity: d90% (at 30°C)

Physical Dimensions

Dimensions & Weight

Component	Size (mm)	Weight
Mainframe	210 x 80 x 200	2 kg
Probe	72 x 140	1 kg

Features

Key Features	High Resolution, Automatic Tuning, Dot Matrix LCD, PC Connectivity, Anti-jamming, Low Power Consumption, Daily Variation Calibration