

Transient Electromagnetic Prospector for Geophysical Exploration

This transient electromagnetic prospector uses a USB port for easy data transmission. It is a portable electromagnetic system suitable for complex geological conditions, used in geophysical prospecting and engineering detection.



Overview

Geophysical Exploration System

This portable transient electromagnetic system is designed for advanced geophysical exploration, utilizing conductivity and magnetoconductivity differences to map subsurface features. It is engineered to solve common limitations in traditional prospecting methods by delivering high-power output and improved signal quality. Ideal for water reconnaissance, environmental monitoring, and complex engineering exploration, this system offers high-resolution data acquisition in a rugged, field-ready package.

Transmitter Specifications

Rated Output Power

3 KW

Rated Output Power

150 V

Max Output Voltage

50 A

Max Output Current (Continual)

Physical Dimensions & Weight

Attribute	Value
Dimensions	360 x 250 x 250 mm
Weight	9 kg

Frequency Range	1.25 - 125 Hz (8 frequency points)
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Receiver Specifications

Physical Dimensions & Weight

Attribute	Value
Dimensions	324 x 210 x 230 mm
Weight	7 kg (excluding batteries)

Sampling Frequency	Max. 5%(optional)
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Dynamic Range	156 dB
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System Capabilities

Primary Applications	Water Reconnaissance, Environmental Monitoring, Water Prospecting, Engineering Exploration
Synchronization Model	Wire synchronization