

Transient Electromagnetic Survey System

This system is widely used in geophysical prospecting, engineering detection, and water resources surveys. It adopts lead synchronization technology to expand the detecting range.



ADDITIONAL IMAGES



Overview

Professional Transient Electromagnetic System

This high-performance transient electromagnetic survey system is engineered for advanced geophysical prospecting, engineering detection, and water resource surveys. Utilizing IGBT bridge circuit technology, it ensures high-power output with rapid shut-off capabilities for precise subsurface analysis. The system integrates floating-point amplification and FPGA technology to deliver high-resolution data capture, making it a reliable solution for complex geological environments.

Key Features

Applications	Geophysical Prospecting, Engineering Detection, Water Resources Survey, Environmental Pollution Detection
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Receiver Specifications

Sampling Frequency	1 %
Dynamic Range	96 dB
Bandwidth	DC up to 13kHz
Display	640x480 VGA High Brightness LCD

Transmitter Specifications

Continuous Current

50 A

Continuous Current

70 A

Pulse Current

Working Frequency	1.25~250Hz (9 frequency spots)
Minimum Shutoff Time	1.2 %

Physical Dimensions

Dimensions and Weight

Component	Dimensions (mm)	Weight (kg)
Receiver	300x250x100	7
Transmitter	300x250x100	6

Environmental Conditions

Operating Conditions

- Temperature: 0°C to 50°C
- Humidity: 95% at 40°C