

Electromagnetic Survey System

The Electromagnetic Survey System is designed for comprehensive geophysical exploration and subsurface imaging. It integrates a high-power transmitter and sensitive receiver for accurate data acquisition.



ADDITIONAL IMAGES



Overview

High-Power Electromagnetic Survey System

This advanced electromagnetic survey system is engineered for deep subsurface exploration, offering versatile capabilities for geophysical research and resource detection. It integrates high-power transmission with precise signal processing to deliver reliable data for mineral, petroleum, and geothermal exploration. Designed for rugged field operations, the system supports multiple survey methodologies including CSAMT, TDIP, FDIP, SIP, and CR to meet diverse engineering and environmental monitoring requirements.

Key Applications

Primary Applications

Geothermal Exploration, Groundwater Detection, Petroleum & Natural Gas, Mineral Exploration, Geotechnical Engineering, Environmental Monitoring, Active Fault Survey

System Components

Included Components

- DSH-P30 High-power power supply
- DSH-T30 High-power electromagnetic transmitter
- DSH-R5 Array electromagnetic receiver
- Magnetic sensor
- Processing software
- Related accessories

Technical Performance

Operating Metrics

30 kW

Maximum Power

1000 V

Maximum Voltage

30 A

Maximum Current

Frequency Range

8000Hz ~ 1/128Hz

Synchronization Accuracy

UTC ± 20nS

Safety & Control

Protection Features

Overvoltage Protection • Overcurrent Protection • Overheating Protection • Short Circuit Protection

Operating Modes

Automatic or Manual