

High Power DC Induced Polarization Measuring System

This high-power DC induced polarization (IP) measuring system is designed for geophysical exploration and electrical resistivity tomography. The system delivers 5, 10, or 15 kW of DC power for deep penetration and high-resolution measurements.



ADDITIONAL IMAGES



Overview

High-Performance Geophysical Exploration

This high-power DC induced polarization (IP) measuring system integrates advanced electronics, computer technology, and information processing to support diverse geological applications. Designed for hydro-geological, mineral, engineering, energy, and environmental surveys, it offers both delay synchronization and high-precision quartz clock synchronization for flexible field operations. The system's robust design ensures efficient data collection and reliable performance in challenging exploration environments.

Technical Specifications

Maximum Transmitting Power

15 KW
Max Power

Power Supply Limits

Parameter	Value
Max Supply Voltage	± 1000 V
Max Supply Current	5/10/15 A

Operating Parameters

- Pulse Width: 1-60 seconds
- Output Waveform: Bipolar
- Duty Cycle: 1:1
- Programmable Current Storage Interval: 1 minute step

System Components

Standard System Composition

High Power DC IP Transmitter, High Power Rectifier Power Source, Direct Current IP Receiver, Electrodes, Power Lines

Physical & Environmental

Physical Dimensions & Weight

- Dimensions: 476 x 309 x 247 mm
- Weight: 12 kg

Operating Temperature

-10°C to +50°C

Data & Connectivity

Data Storage Capacity

8000 groups

Communication Interface

RS-232 Serial