

# DC Resistivity and IP Meter

This DC resistivity and IP meter is designed for geophysical exploration and subsurface investigations. It measures resistivity and induced polarization parameters using various electrode arrays.



## ADDITIONAL IMAGES



## Overview

### Versatile Geophysical Exploration Tool

This multi-function DC resistivity and induced polarization (IP) meter is designed for professional subsurface investigations. It integrates receiver and transmitter functions into a single, ruggedized chassis, making it highly portable for field use. The system supports advanced geophysical methods, including 2D resistivity imaging, to assist in mineral exploration, groundwater search, and geotechnical engineering projects.

## Key Advantages

### Core Benefits

- All-digital automatic measurement with auto-compensation for spontaneous potential and drift
- Integrated receiver and transmitter in one compact, lightweight unit
- Large LCD screen for real-time display of electrode arrangements and measurement curves
- High capacity data storage for up to 4,800 survey points
- Rugged aluminum chassis with electromagnetic shielding for harsh field environments

## Applications

### Typical Applications

Energy Exploration, Railway & Bridge Engineering, Mineral Exploration, City Geophysical Exploration, Groundwater Survey, Geothermal Exploration, Dam Safety Inspection

## Technical Specifications

### Receiving Performance

**6000 mV**

Voltage Range

**5000 mA**

Max Current

**50 M $\Omega$**

Input Impedance

**80 dB**

50Hz Interference Suppression

### Transmitter Details

Parameter	Specification
Max Power	4500 W
Power Pulse Width	1-60 seconds
Duty Cycle	1:1
Power Supply	8 x 1# Dry Cell/Rechargeable

### Measurement Parameters

- Primary potential (Vp)
- Spontaneous potential (Vsp)
- Power supply current (I)
- Apparent polarizability (Ms)
- Apparent resistivity (Ro)
- Half-decay time (Th)
- Degree of decay (D)
- Integrated IP parameters (Zp)
- Degree of deviation (R)