

# Induced Polarisation

## Geovista IP Probe

### APPLICATIONS

- Base mineral exploration
- Locating low grade ore deposits
- Hydrogeophysical surveys
- Environmental investigations
- Mineralisation detection

The Geovista IP sonde measures apparent formation chargeability and resistivity (Wenner) to detect the presence of disseminated ore bodies.

### OVERVIEW

The Induced Polarisation Sonde measures formation chargeability as an indication of mineralised formations. It can also be used for the study of pollutants in the ground.

The sonde comes with a four electrode (Wenner) array and works by periodically applying a high DC voltage (inducing signal) with alternating polarity to the outer two electrodes. This voltage is applied for a set time and then after a brief delay, the decaying voltage is measured using the two inner electrodes for a certain time.



### SPECIFICATION

	IP Sonde
Weight	8.0 kg
Length	2.08 m
Diameter	42 mm
Resistivity Range	1—1000 Ohmm
Measurement Method	Time Domain with 220ms cycle time
Max. Pressure	20 MPa
Max. Temperature	80°C
Combinability	Modular
Borehole	Water Mud Open hole
Centralisation	Not Required
Accessories	IP Test box