T9 ERT & IP System

Applications

- Groundwater prospecting
- Environmental studies
- Monitoring of dams and dikes
- Mineral exploration
- Archaeology investigation
- Geotechnical investigation
- Pollution monitoring
- Detecting of cavities and buried objects

Recommended Configurations

Functions	Mainframe	Intelligent box	Cable	Electrode
2D/3D Resistivity Imaging	T9	Switch 10	Res cable	Electrode with clip
2D IP Imaging	T9	Switch 10	Res & IP cable	Electrode with clip + solid electrode

The system takes T9 Digital DC resistivity meter as the measuring and controlling mainframe, and can realize 2D & 3D ERT and 2D IP surveying by selecting Switch 10 Intelligent Switch Box, Resistivity & IP Cable, and Electrode.

Specifications

Receiver

- Voltage channel ±80V, ± 0.1% ± 1LSB, 24 bit A/D
- Input impedance > 100MΩ
- Apparent polarizability precision ± 0.2% ± 1LSB
- SP compensation range ±10V
- Current channel 6 A, ±0.1% ± 1LSB, 24 bit A/D
- Suppression ≥140dB for 50Hz industrial frequency

Transmitter

- Max. transmitting power 9000W
- Max. voltage range ±1500V
- Max. current ±6A
- Pulse width 1~60s, duty ratio 1:1

Options & Accessories

Switch 10 Intelligent Switch Box

Dimensions	Φ60mm × 114mm
Weight	0.8kg
Max. operating voltage	1000V
Max. operating current	4A

Res & IP cable

Number of electrode	10 electrodes
Electrodes spacing	1~10m (optional)
Operating temperature	-20℃～+70℃
Waterproof level	IP68

Electrode with Clip

Dimensions	Φ10mm × 280mm
Cable length	90cm
Electrode material	Copper
Weight	0.28kg