T4 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

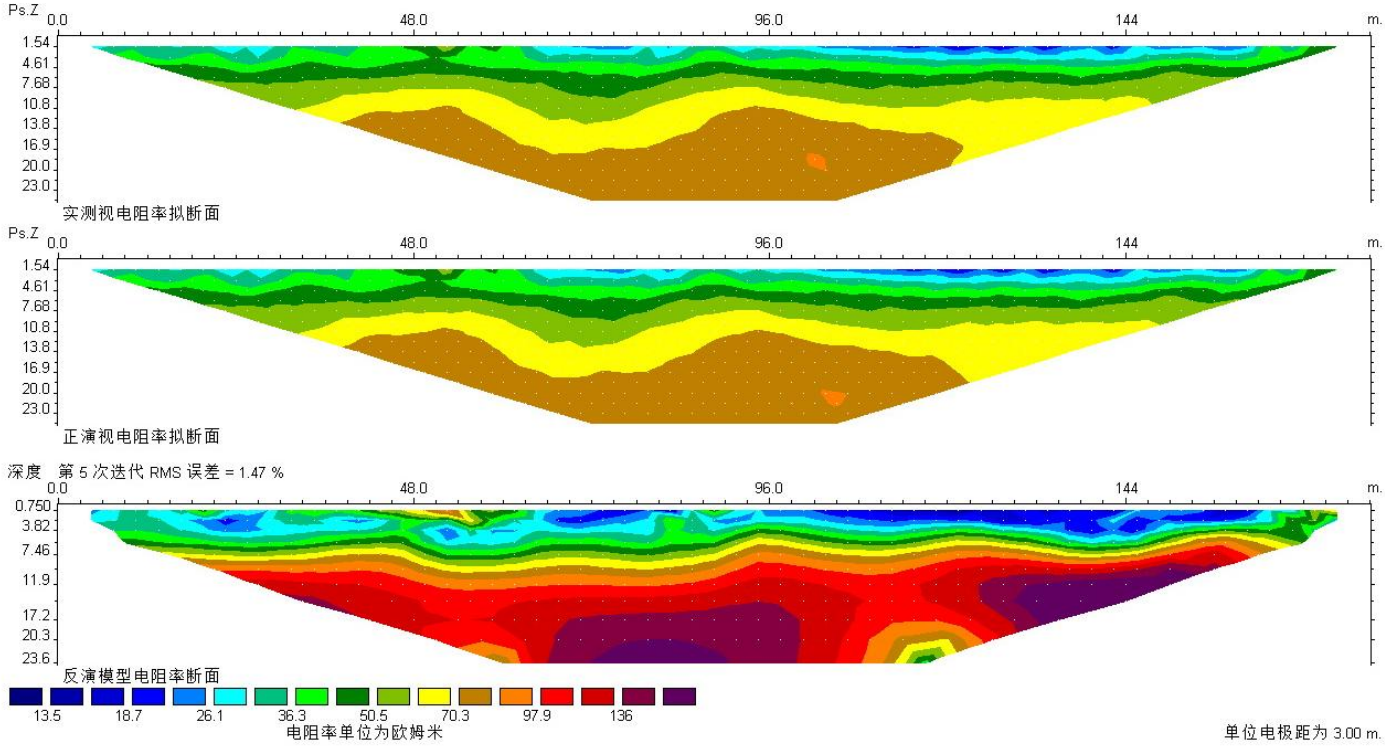
Recommended Configurations

Functions	Mainframe	Wire/Cable	Electrode
1D Res Sounding	T4	Twist pair wire	Iron electrode
1D IP Sounding	T4	Twist pair wire	Iron electrode + solid electrode
2D Res Imaging	T4 + Switch 60	Multi-electrode cable	Electrode with clip
	T4	Res cable	Electrode with clip
2D/3D Res Imaging 2D IP Imaging	T4	Res & IP cable	Electrode with clip + solid electrode

Specifications

Receiver

- Voltage channel ±60V, ± 0.2% ± 1LSB, 24-bit A/D
- Input impedance > 100 MΩ
- Apparent polarizability precision ± 1% ± 1LSB
- SP compensation range ±10V
- Current channel 6 A, ±0.4% ± 1LSB, 24-bit A/D
- Suppression ≥80dB for 50Hz industrial frequency

Transmitter

- Max. transmitting power 9000W
- Max. voltage range ±1500V（3000Vp-p）
- Max. current ±6A（12Ap-p）
- Pulse width 1~60s, duty ratio 1:1, bipolar