



WDJD-4 Resistivity & IP System



All-in-one, multi-functional: the system has the functions of transmitter and receiver at the same time, easy to carry and simple to connect. Super high-power, high anti-interference performance and precision: up to 6600w (1100v×6A) power, 48Vp-p voltage range ensures to get a good result in a area with high resistance. Automatically achieving compensation of self-potential, drift and electrode polarization, up to $\pm 10V$. All parameter and data are under power-failure protection; and thus data will not be lost even though the system shuts down accidentally.

Specifications

Receiver

- Voltage channel $\pm 24V$, $\pm 0.4\%$ $\pm 1LSB$, 24 bit A/D
- Input impedance $\geq 50M\Omega$
- Apparent polarizability precision $\pm 1\%$ $\pm 1LSB$
- SP compensation range $\pm 10V$
- Current channel 6 A, $\pm 0.4\%$ $\pm 1LSB$, 24 bit A/D
- Suppression $\geq 80dB$ for 50Hz industrial frequency

Transmitter

- Max. transmitting power 6600W
- Max. voltage range $\pm 1100V$ (2200Vp-p)
- Max. current $\pm 6A$ (12Ap-p)
- Pulse width 1~60s, duty ratio 1:1, bipolar

Specifications

WDZJ-4 Multiplex Electrode Switcher

- Max. electrode be connected 60 and 120 (optional)
- Insulation impedance $\geq 500\text{M}\Omega$
- Max. working voltage DC 500V
- Max. working current DC 2.5A
- Power supply Internal 7.4V 4AH rechargeable lithium battery
- Working temperature $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$



WDJD-4 Mainframe



WDZJ-60/120 Multi-electrode Switcher



Res cable

IP cable

Recommended measuring sets

Functions	Mainframe	Wire/Cable	Electrode
1D Res Sounding	WDJD-4	Twist pair wire	Iron electrode
1D IP Sounding	WDJD-4	Twist pair wire	Iron electrode + solid electrode
2D Res Imaging	WDJD-4 + WDZJ-4	Multi-electrode cable	Electrode with clip
	WDJD-4	Res cable	Electrode with clip
2D/3D Res Imaging 2D IP Imaging	WDJD-4	Res & IP cable	Electrode with clip + solid electrode

Applications

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

