

WGMD-9 2D/3D Resistivity/IP Imaging System

Power:

- VES - 6600W.
- Resistivity imaging - 1125W

Function:

- 2D/3D Resistivity Tomography
- 2D Induced Polarization Imaging
- 1D Resistivity/IP VES
- 1D Resistivity/IP Profiling
- SP survey

All operation on tablet PC

Distributed system, no limit on electrode qty

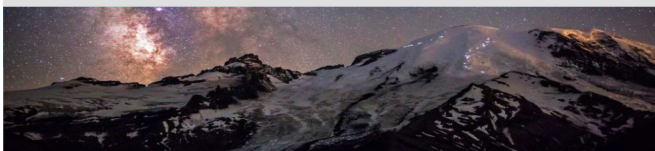
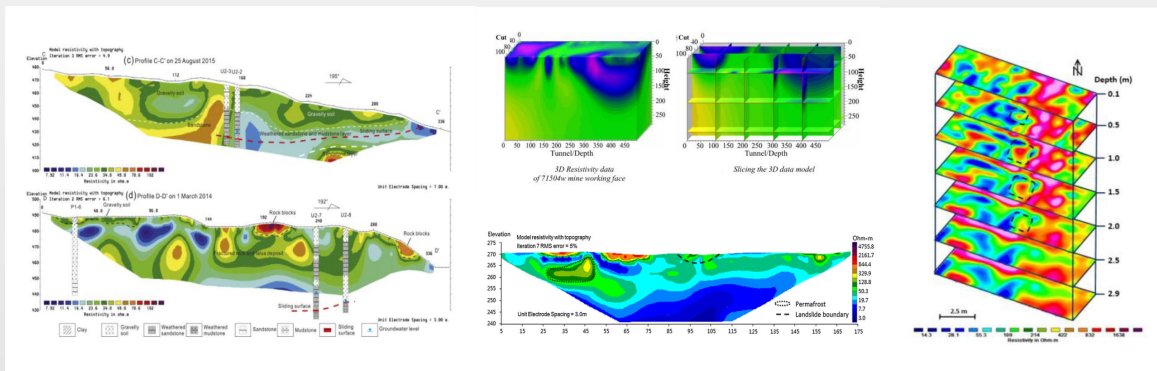


Applications

- Energy resource
- City geophysical exploration
- Railway and bridge prospecting
- Metal and non-metal mineral resources prospecting
- City geophysical exploration
- Hydrology and engineering geology to inspect base of dam and flood protection levee for incipient faults
- Geothermal survey

Main features:

- Portability and flexibility
- Unique and open measuring process control
- Two cable sockets for cross-hole survey
- Multiple functions with more measuring parameters
- High power supply, wide current range, high accuracy
- 16 kinds of electrode arrays of 2D Imaging survey
- Extendable system, flexible configuration
- Excellent anti-interface performance
- Diagnosis program can find the fault quickly.



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WDA-1/WDA-1B Main Frame (Standard)

Max Tx power	7200W
Max Tx voltage	1200V
Max Tx current	6A
Pulse width	1~60s, duty cycle is 1:1.
Voltage	$\pm 32V$ (24 bit A/D). If $V_p \geq 5mV$, accuracy is $\pm 0.2\% \pm 1LSB$ If $0.1mV \leq V_p < 5mV$, accuracy is $\pm 1\% \pm 1LSB$
Input impedance	$>50M\Omega$
Polarizability accuracy	$\pm 1\% \pm 1LSB$
SP compensation	$\pm 10V$
Current:	6A (24bit A/D). If $I_p \geq 5mA$, accuracy is $\pm 0.2\% \pm 1LSB$. If $0.1mA \leq I_p < 5mA$, accuracy is $\pm 1\% \pm 1LSB$.
Suppression	more than 80dB
Power supply	internal 7.4V 4Ah rechargeable battery or 12V external power supply
Ports	A, B, M and N connecting ports, DC high voltage input ports and external battery terminals, 2 cable ports, RS-232, Bluetooth
Working temp	$-10^{\circ}C \sim +50^{\circ}C$, 95%RH
Storage temp	$-20^{\circ}C \sim +60^{\circ}C$
Weight	$\leq 4kg$
Dimension	270mm*246mm*123mm
Internal Tx power	Max 200V, 0.7A (only for WDA-1B)

Multi-electrode Resistivity Cable (optional)

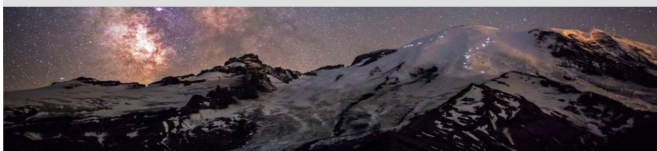
Cable	32 core, outer diameter is $\Phi 6mm$
Max voltage	450V
Max current	3A
Space	5m or 10m (customized)
Cable insulation	$\geq 500M\Omega/500V$ between any two cores

Multi-electrode Intelligent Res/IP Cable (Optional)

Cable	polyurethane coated, outer diameter $\Phi 8mm$
Quantity	up to order
Take-outs	10 sting
Space	1~10m (customized)
Connector size	$\Phi 30mm \times 100mm$ (connector only), $\Phi 39mm \times 170mm$ (including rubber head)
Max voltage	800V
Max current	3A
Working temp	$-20^{\circ}C \sim +70^{\circ}C$

Electrode (Optional)

Electrode	Copper, $\Phi 12mm \times 280mm$ with clip
Quantity	up to order



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