

GEA 6

DIRECT CURRENT GEOPHYSICAL INSTRUMENT

–BROCHURE–

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- resistivity, IP and SP data at highest possible efficiency
- easy acquisition of VES data
- acquired VES data interpretation is possible already in the field on instrument's notebook.

Technical specification: GEA 6, resistivity, IP and SP



General:

- Notebook operated instrument, which enables full interpretation of VES and resistivity profiling measurements immediately in terrain
- Weight: receiver-measuring device box: 5.7 kg / power supply box 16 kg
- Dimensions both receiver and power supply boxes: 430x370x160 mm
- Ambient temperature: 0° C to 40° C

Receiver – measuring device:

- Number of MN pairs (measuring potential electrodes): 4 pairs
- Number of AB pairs (current electrodes): 1 pair
- Two 21 bits A/D converters
- Precision of measurement is at least 5 μ V and 5 μ A
- Resistivity measuring in both modes: commutated or non commutated
- Input impedance: 10 M Ω
- Up to 20 IP chargeability windows (in raw result file unlimited number)
- Chosen IP chargeability or polarizability window results showed right during the measurement
- Optional number of measuring cycles (average resulting)
- Resistivity measuring in both modes: commutated or non commutated
- Use of preset parameter files
- Digital record format in ASCII (GEF)
- Preinstalled interpretation programme for profile VES measurement VIS-IP (Valtr&Chyba, SIHAYA Ltd. 2009)

Transmitter – power supply box:

- Output current from: 1 mA to 1A
- Output voltage from 12 to 400 V

Accessories for VES measurements:

- 10 MN Cu / brass electrodes
- 2 AB current electrodes with 302 m of wire at each one's drum
- MN cable with length 50 m for 4 pairs of MN electrodes

