



C313SEV

Touch screen display Integrated monitor

Integrated battery

Georesistivimeter for quadrupole measurements

Digital Georesistivimeter for V.E.S. Vertical Electric Surveys. Equipment is characterized by maximum resolution and accuracy in geoelectric survey and great functioning rapidity. Once data acquisition is completed, data can be immediately processed with related data processing software. Power is supplied by embedded battery pack and it is managed through a microprocessor able to provide wide autonomy of acquisition. Recording and saving of data takes place on internal Disk or on USB key (supplied). Unit is fully computerized and all operating functions are selected simply by touching menu on color LCD monitor 7" with integrated touch screen.

Methodologies

V.E.S. Vertical Electrical Survey

Spontaneous Potential Measurement

Induced Polarization measurement

General

Number of electrodes	4
Power supply	Internal 12V battery pack, external battery
Average power consumption	2,5A, 50A peak
Average autonomy	9 hours
Environmental operating conditions	-20/80 °C
Resolution	24 bit
Case	Polypropylene, automatic pressure valve, IP67
Display	LCD 7" integrated touch-screen
Operative system	Windows 10

General

Ports	LAN, USB
Data recording	internal ssd, USB external pen drive
Data format	TSV, CSV, DAT
Dimensions	49 x 19 x 26.4 cm
Weight	9,6 Kg

Output current

Regulation	Automatic 5 steps
Maximum intensity	5A a 50V
Output tension	$\pm 50V$, $\pm 100V$, $\pm 250V$, $\pm 500V$, $\pm 800V$
Maximum power	250W
Injection time	settable from 0,25 sec. (graphic visualization of the wave)
Measure accuray	$\pm 0,2\mu A$

Potential measurement

Range	Auto range
Measure	simultaneous measure on all channels
Maximum full scale	$\pm 25V$
Input impedance	2,5 MOHM
Network frequency filter	50 Hz
Protection	superior
Measure's precision	$\pm 1,5\mu V$ within the range of $\pm 25V$
Noise reduction	average from 2 to 10 measures
Automatic reset of spontaneous potential	Automatic

General

Accuracy of measured resistivity	$\pm 0,5\%$
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