

CARATTERISTICHE TECNICHE DEL GEORESISTIVIMETRO UTILIZZATO



CPU	Microprocessor Z180, Clock 10 MHz, ROM Memory 32K
Alphanumeric Display	2 lines x 16 characters
Thermic Printer	16 columns
Output	RS232 2400 Baud, 7 data Bits, no parity, 1 stop Bit
Analog-Digital Converter	Resolution 24 Bit (effective 18 Bit). Input Voltage +/- 2,5 Volt
Input Channels	Voltage and Intensity
Insulation between the two principal Input Channel	1010 Ohm
Solid states switches	Power range max. 400 VDC/4A
Typical resolution of the measurements	Standard cycle +/- 10 microvolt
Electronic Power supply	Stacking +/- 1 microvolt Rechargeable 6Volt External 9-15 Vdc supply
Main Energy Supply	External dry battery External energy source 12-400 AC-DC (MAX. 1600VA)
Measurement cycles	Composed of 3-8 square waves whose timing parameters can be completely configured by the end user
Possibility to use a measurement cycle	Including 20 square waves for a maximum soppression of the Spontaneous Potential SP
Number of data samples	From 1 to 65535 for every square wave
Default cycle	4 square waves with 5 samples each, duration <3 sec.
Digital nulling of SP	
Automatic choice of electrode spread	Symmetric Schlumberger, Asymmetric Schlumberger, Wenner, Generic Quadripole, Dipole-Dipole, Profile
Automatic Calculation of Geometric Factor K	A function of the electrode spread
Apparent Resistivity RHO	Automatic Calculation and Display of the data storage