

4-point light hp

Earth Resistivity Meter for: groundwater-prospecting
- near surface geophysics - archeology

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- > simple operation, ultra compact
- > internal memory for > 16.000 readings
- > measures complex resistivity
- > 8 frequencies
- > 8 watts output power
- > fast mapping function
- > various automatic modes
- > versatile power supply
- > full remote control
- > low price: € 3400.-



742 Gramm
25 x 12 x 5 cm

data:

Size: - 25 x 12 x 5 cm

Weight - 742g

Display - 4x20 characters

isolated RS232-interface

full remote control for all functions via isolated serial interface

interface for active electrodes

transmitter:

frequencies: 1.04-2.08-4.16-8.33Hz, 1.25-2.5-5-10 Hz

constant output current - 100nA.....50mA, 8 steps

output voltage - max. 380V p-p, square wave

receiver:

lock-in-amplifier with in-phase/out-of-phase detection

transmitter cable crosstalk reduction

very high 16.66/50/60Hz suppression

simultaneous display of in-phase /out-of-phase - signal

and statistical error

24Bit ADC

resolution to 50nV / 0.1 mrad, dynamic range >130dB

accuracy better than 0.1%, full calibration feature for phase and amplitude for all frequencies

fast: data acquisition time 1.5 sec/sample @ 1.04 Hz,

less than 1 sec at 8.33 Hz

calculates apparent resistivity for various geometries

fast automatic mapping function

power supply

4 internal high capacity NiMH-AA-batteries

or external power supply 9 - 15 V, 1A

or AA alkaline batteries

3 hour quick charge of the internal batteries

average operating time with full batteries - 20 - 50 h,

minimum 1.5 hours at maximum output power

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