

4-point light 10W

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

LGM Lippmann

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- ▶ simple operation, ultra compact
- ▶ internal memory for > 150.000 readings
- ▶ measures complex resistivity
- ▶ 16 frequencies
- ▶ 10 watts output power
- ▶ fast mapping function
- ▶ various automatic modes
- ▶ versatile power supply
- ▶ full remote control
- ▶ low price



data:

Size:- 25 x 12 x 5 cm

Weight - 742g

Display - 4x20 characters

isolated RS232-interface

full remote controll for all functions via isolated serial interface

interface for active electrodes for electrical resistivity tomography

transmitter:

frequencies: 0.2 - 30 Hz

constant output current - 1mA.....100mA, 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

max. input voltage 1V p-p

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

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

less than 0.5 sec at 8.33 Hz

calculates apparent resistivity for various geometries

fast automatic mapping function

stand-alone tomography mode

Monitoring mode

Measurement of contact resistance

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

742 Gramm
25 x 12 x 5 cm

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