

OHMEGA Ω resistivity sounding system



The Ohmega Ω is a high quality portable earth resistance meter capable of accurate measurement over a wide range of conditions. Employing similar design features used in the highly successful Allied Tigre Imaging system the Ohmega Ω offers the user high quality engineering at an affordable price. We have seen large numbers of our instruments sold into countries with challenging climates and harsh conditions such as Chili, Cost Rica, Nigeria, and Ethiopia to name just a few and the Ohmega Ω has performed well in conditions which on occasions exceed 45 degrees Celsius.

The Ohmega Ω is designed for ease of use however simple but strong design principals have been employed to ensure our product is engineered to exceptional standards. Designed and built by instrument engineers we have employed the best construction methods required to ensure the Ohmega Ω will offer quality and extended service over many years.



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SPECIFICATIONS...

Output current:	0.5 – 200mA
Output Voltage:	360V peak to peak
Cycle time:	2.1, 4.2 & 8.4 sec
No. of cycles:	1, 2, 4, & 16
Input impedance:	22 MOhms
Measurement range:	0.001 Ohms – 360 kOhms
Power supply:	Internal rechargeable 12v battery or external 12v source
Display:	4 line alphanumeric LCD
Weight (Ohmega):	4kg
Weight (Shipping):	36kg
Dimensions:	270 x 240 x 175 mm

The Ohmega Ω has a maximum power output of 36 watts with manual selection of current in steps up to 200 mA and a choice of sample time / signal length averaged and three frequency settings. The receiver incorporates automatic gain steps, which provide a range of measurements from 0.001 Ω to 360k Ω .

The instrument is powered by a large capacity internal rechargeable battery providing several days of use without recharging in average terrain conditions. External power can be by way of any 12 VDC source, the most common type being a vehicle battery. The Ohmega Ω is housed in an impact-resistant Peli Case, the case benefits from a lifetime guarantee so broken handles, catches etc will be replaced should these become defective/damaged.

The Ohmega Ω offers three square wave frequencies and a choice of up to 16 cycles per measurement. Self Potential can also be monitored. The system includes 4 cables on reels, electrodes and charger as standard.

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