

ADVANCED PORTABLE RESISTIVITY METER

McOHM-EL



< Abstract >

McOHM-EL is a new concept in resistivity meters, as it not only measures conventional resistivity but also a number of borehole parameters can be logged.

The tools supported are normal resistivity, temperature and caliper.

This combination gives the geengineer greater opportunity to prove his interpretation.

Despite this added flexibility the system has been kept low in cost, thus giving better value to the user.

It incorporates advance feature such a 24 bit Delta Sigma converter, LCD display, high resolution printer and floppy disk for storage.

< Features >

Resistivity meter with borehole logging function

24 bit Delta-Sigma A/D converter

High resolution thermal printer

Floppy Disk storage 720KB/ 1.2MB/ 1.44MB

High transmitting voltage 400V

Light weight 8kg

< Specifications >

(1) Resistivity Measuring Mode

Resistivity Meter

Maximum Transmitting Voltage	: 400V (800Vpp)
Transmitting Current	: 2, 20, 60, 120mA (constant current method)
Cycle Time	: 2, 3, 4 seconds
Measuring Range	: $\pm 5V$
Resolution	: 1 μV (24 bit Delta Sigma A/D converter)

(2) Borehole Logging Mode

Electric Resistivity Logging

Normal Resistivity Probe (Model-3143)	
Electrode Spacing	: 25, 50, 100cm
Measuring Range	: 1 to 10K m
Cycle Time	: 60ms (16.7Hz)
Transmitting Voltage/Current Same as Resistivity Meter	

Temperature logging

Probe (Model-3571)	
Measuring Range	: 0 – 70
Accuracy	: $\pm 2\%FS$

Caliper logging

Probe (Model-3973)	
Measuring Range	: 50 – 100mm
Accuracy	: $\pm 2\%FS$

System

Floppy Disk	: MS-DOS, 3 MODE (720KB, 1.2MB, 1.44MB)
Thermal Printer	
Paper Size	: 110mm
Plot Width	: 104mm
Resolution	: 8 dots/mm
Display	: LCD, 192 x 128 dots (with back light)
Power	
Operating Voltage	: 12VDC
Current	: 1.5A (standby), 7A (max.)
Operating Temperature	: 0 - 45
Physical	
Dimensions	: 330 x 270 x 210 mm
Weight	: 8 kg

Please note specifications are subject to change without notice for the improvement.



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