

CMD MINI EXPLORER 6L

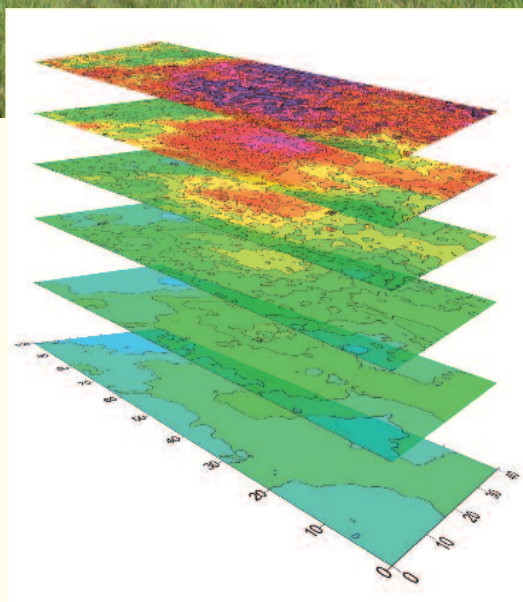
HIGH RESOLUTION ELECTROMAGNETIC CONDUCTIVITY METER



- Multi depth survey in the range 0.15 – 2.3 m
- Manual or continuous measuring modes with GPS
- Simultaneous readings of 6 conductivities with inphase
- Fast response (sampling from 0.1 s)
- High temperature stability
- Map preview of area coverage
- Lightweight and rugged design
- Rechargeable Li-Ion cells (one charge for 2-3 working days)
- Data download via USB port or flash disk
- Rich data processing support

Applications:

high resolution conductivity survey of ground upper layers for archaeology, agriculture, geology, road and construction inspection, metal objects and network detection



CMD-Mini Explorer 6L electromagnetic conductivity meter enhances the capability of the standard CMD-Mini Explorer by extended depth range (0.3 – 2.3 m) and higher depth resolution (6 receivers). Precise electronic design with stable calibration provides data for multi-layer conductivity and inphase mapping as well as for inversion of measured conductivity sections.

CMD-Mini Explorer 6L is useful for fast and accurate contactless investigations of shallow buried structures and objects in the frame of archaeological, geological, military and other surveys.

Technical Specifications

Probe:

- Measured ranges:
 - Apparent conductivity 1000 mS/m
 - Inphase ratio $\pm 20 / \pm 40 / \pm 40 / \pm 80 / \pm 80 / \pm 80$ ppt
- Measuring accuracy: $\pm 4\%$ at 50 mS/m
- Maximum sampling rate: 10 Hz
- Temperature drift: lower than 0.1 mS/m /°C at slow temperature changes
- Operating temperature: -10°C to +50°C
- Power supply: Li-Ion battery pack (one charge for 2-3 working days)
- Probe length: 1620 mm
- Working weight: 2.5 kg

Effective High/Low Depth Range	Dipole Center Distance
0.3 / 0.15 m	0.20 m
0.5 / 0.25 m	0.33 m
0.8 / 0.4 m	0.50 m
1.1 / 0.5 m	0.72 m
1.6 / 0.8 m	1.03 m
2.3 / 1.1 m	1.50 m

Control Unit:

Connection is provided by integrated Bluetooth technology

- Modes of measurement:
 - Manual
 - Continuous
 - GPS manual
 - GPS continuous
 - Search
- Measuring time: 0.1 – 20 s
- Direct support of GPS receiver with UTM / UPS possibility
- Data flash memory: 128 MB
- Power supply: Li-Ion battery pack
- Dimensions and weight: 270 x 90 (145) x 60 mm / 0.7 kg
(Features are identical with standard CMD control unit)

Optional accessories:

- Spare Li-Ion battery pack
- Inversion and mapping SW (IX1D, Surfer)

Standard accessories:

- Transport aluminum case 37 x 14 x 172 cm
- Probe holder with bluetooth adapter
- Probe connection cable
- 2 pcs of AC adapters (100-240 V, 50-60 Hz)
- 2 pcs of internal battery holders for AA cells
- Carrying belt
- Cable for 12 V car socket supply
- Cable for data download to PC and flash disk
- CD with software
- Operation manual

