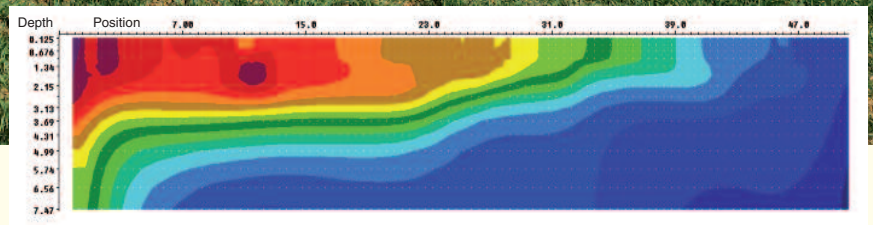


# CMD EXPLORER 6L

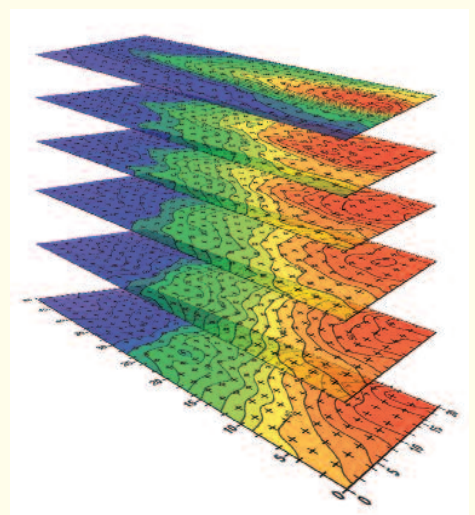
HIGH RESOLUTION ELECTROMAGNETIC CONDUCTIVITY METER



- Multi depth survey in the range 0.45 – 6.3 m
- Simultaneous readings of 6 conductivities with inphase
- Fast response (sampling from 0.1 s)
- Simple operation, optional smartphone app
- Manual or continuous measuring modes with GPS
- Map preview of area coverage
- Two Bluetooth channels, real-time clock
- Data download via USB port or flash disk
- Rich data processing support
- Rechargeable Li-Ion cells (one charge for 2 working days)
- Lightweight and rugged design

## Applications:

high resolution conductivity survey of ground layers for geological and geotechnical survey, road and construction inspection, investigation of construction sites, groundwater protection, environmental monitoring, raw material prospecting, metal object and network detection.



**CMD Explorer 6L** electromagnetic conductivity meter enhances the capability of the standard CMD Explorer by extended depth range (0.45 – 6.3 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.

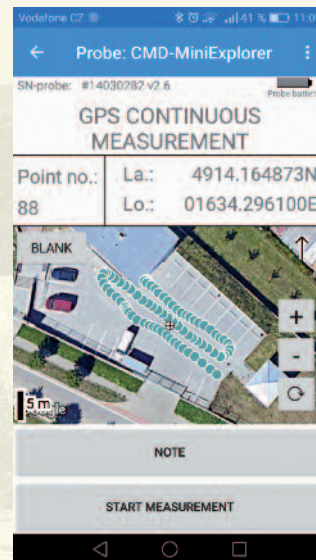
CMD Explorer 6L is useful for fast and accurate contactless investigations of buried structures and objects in the frame of geological, geotechnical, military and other surveys.

## Technical Specifications

### Probe:

- Measured ranges:
  - Apparent conductivity 1000 mS/m
  - Inphase ratio ±80 ppt
- Measuring accuracy: ±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 working days)
- Probe length: 453.5 cm
- Working weight: 9.2 kg

Effective High/Low Depth Range	Dipole Center Distance
0.90 / 0.45 m	0.60 m
1.60 / 0.80 m	1.05 m
2.40 / 1.20 m	1.60 m
3.70 / 1.85 m	2.45 m
5.00 / 2.50 m	3.30 m
6.30 / 3.15 m	4.23 m



### Control Unit:

- 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: 200 x 50 x 110 mm / 0.65 kg  
(Features are identical with standard CMD control unit)

### Standard accessories:

- Transport aluminum case 159 x 15.5 x 46.7 cm (shipping weight 26 kg)
- Holder for control unit
- Probe connection cable
- AC adapter (100-240 V, 50-60 Hz)
- Internal battery holder for AA cells
- Cable for 12 V car socket supply
- Carrying belt and harness
- Cable for data download to PC and flash disk
- CD with software
- Operation manual

### Optional accessories:

- Bluetooth adapter for wireless communication with probe
- Husqvarna harness (adapted for front and side carrying)
- Inversion and mapping SW (IX1D, Surfer)

