

NEW CMD PROBE WITH 9 METER DEPTH RANGE

CMD-4/6



Newly introduced CMD-4/6 probe extends the recent depth range of EM measurements. This probe can be assembled to its maximum length to reach the effective depth range of 9 meters or can be used with reduced length with the effective depth range of 6 meters (like CMD-4).

With its low weight and other features typical for CMD systems (like high temperature stability, low power consumption and fast response) this probe represents a useful tool for raw material prospecting, geological mapping, hydrogeology and other application where deeper situated structure are studied.

Technical specifications:

The instrument consists of the control unit and probe.

Probe:

- Two depth ranges – full and half depth range.
- Measured quantities:
 - Apparent conductivity in mS/m
 - In-phase ratio in ppt (determined by magnetic susceptibility)
- Measuring ranges:
 - Conductivity: 1000 mS/m, resolution 0.1 mS/m
 - In-phase ratio: ± 80 ppt, resolution 10 ppm
- Measurement accuracy: $\pm 4\%$ at 50 mS/m
- Temperature stability: lower than 0.2 mS/m /°C (at slow temp. changes)
- Operating frequency: 10 kHz
- Effective depth range for High / Low depth mode: 9.0 m / 4.5 m
- Intercoil spacing: 5.77 m
- Probe length & weight: 6 075 mm, 9.5 kg
- Operating temperature: - 10 °C to + 50 °C

With reduced length the technical parameters are close to CMD-4.