

## 6.8 MAGNETOTELLURIC SYSTEM NORD

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### ABSTRACT

Key features of the new magnetotelluric system NORD are: wireless operation with options of real-time quality assessment and data processing, measuring complex impedance of each electric line, robust data processing algorithms, light weight, reliability, low self-noise and power consumption. The receiver has a built-in calibration system as well as telemetry that allows to monitor the status of the device and identify common problems. The system allows to obtain high-quality MT data in the range from 50 000 seconds up to 20 000 Hz. In this paper we show some results of recent field tests of the NORD system which show that it meets the highest standards and requirements imposed on the modern geophysical equipment.

**KEY WORDS :** electromagnetic instrumentation, MT acquisition system.