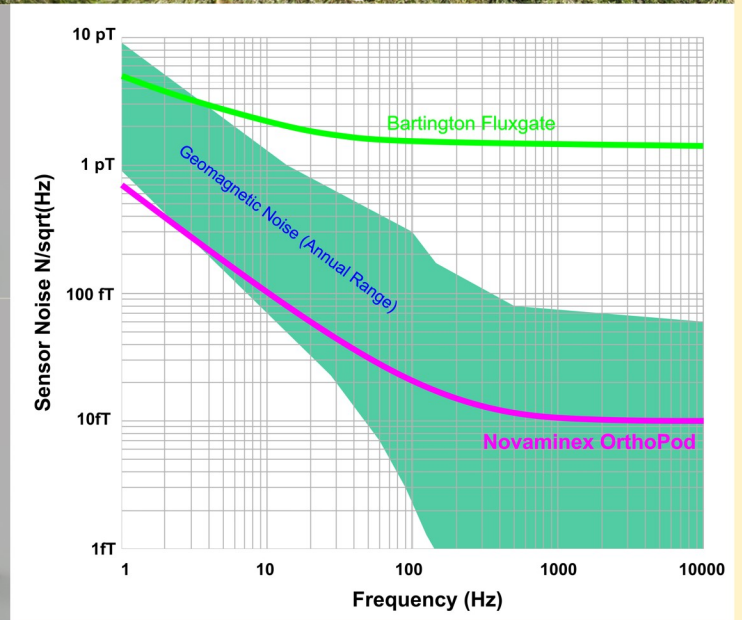


For deeper detection of sulphide deposits, Novaminex is developing NovEM, a low-noise 3-axis sensor and receiver system that can be used for TEM or passive EM surveys. The 3-axis orthoPod magnetometer is comprised of three Novaminex-24 sensors integral to its folding legs. It provides excellent noise performance over a wide band (0.2Hz-25kHz) and is designed with ease of production in mind allowing it to be built at a much lower cost than existing high-performance 3-axis systems. This should make it practical to conduct low-noise EM surveys in array-configurations with many independent receivers recording at the same time. Each orthoPod is paired with a NovaBox data acquisition system. The companion hand-held "Arrow" tool includes a low-drift gyro and provides accurate determination of the orthoPod orientation using a number of modes depending on the variability of the local static magnetic field.



Channels: 3 differential
 Data Rate: 50,000
 Timing: GPS (5us)
 Input : 200k-ohm
 Bandwidth: 1Hz-25kHz
 Weight: 1.7Kg

Hand held "Arrow"
 tool to determine
 orthoPod orientation
 with precision IMU.

orthoPod noise performance

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