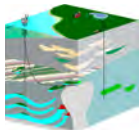


KMS Air Coil magnetic sensor

Available option:

- KMS Coil S10 – 40 m long**
- KMS Coil S20 – 80 m long**
- KMS Coil S33 – 132 m long**
- KMS Coil S40 – 160 m long**



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KMS Coil S20



KMS Air coil S20 in use (left) and as part of a complete EM system (right)

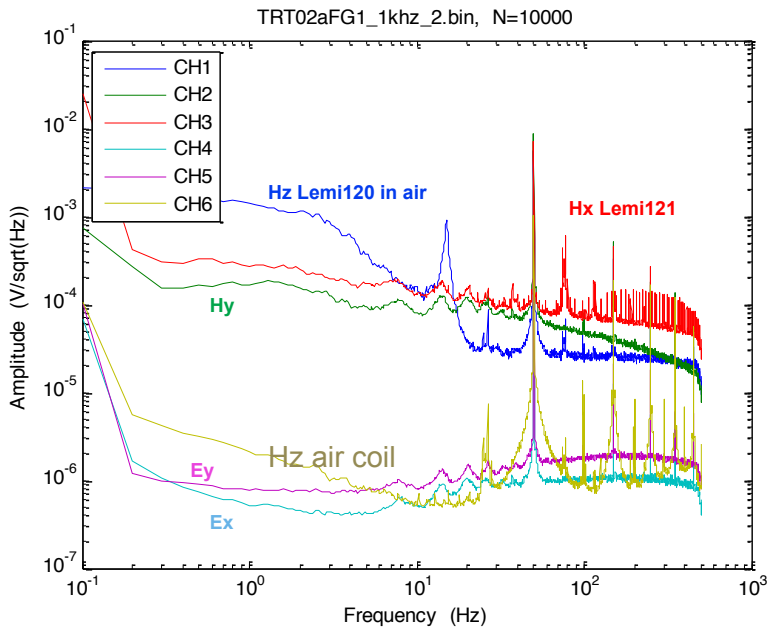
The KMS Coil S20 loop is developed to allow vertical magnetic field measurements where low noise and high sensitivity is required. The air coil consists of multi-turn cable (between 100-150 wires) connected in series to make a single multi-turn loop out of it.

S20 is 20m version of coil loop cable, also available in 10 m (S10), 30 m (S30), and 40 m (S40).

Product features

- Ideal for hard rock terrain
- Available in multiple length:
 - 10 m, 20 m, 33 m, and 40 m
 - any other custom length
- Redundant 4-wire connection
- Between 100-150 windings (cable availability dependent)
- Ruggedized and water resistant
- Cables are extendable
- Broadband response and high sensitivity (compared to induction magnetometers)
- Cable is deliver with 20 m, 4-lead extension cable KMS-115-4 with waterproof connectors or two KMS-115

Product images



Frequency response of the air coil compared with other magnetic and electric field sensors - measured in an oil field

