

# INDUCTION COIL MAGNETIC SENSORS



**Advanced Geophysical Operations and Services Inc. (AGCOS)** manufactures several low-noise induction coil magnetic sensors that ensure wide frequency band coverage from 50,000kHz to 0.00001Hz. All sensors are waterproof and distinguished by high sensitivity and extremely low-noise which allows to acquire reliable data even in frequency bands with very weak natural signal (3000 – 700Hz, 10 – 0.1Hz). Furthermore, additional application of precision field tripods for induction coil installation on any terrain or soil conditions allows to conduct measurements in environmentally sensitive areas and increase productivity since digging holes for the sensors in the ground is not required.

## AMS-15

- Low-noise, lightweight induction coil magnetic sensor for AMT, BBMT, MVP, CSAMT, FDEMS
- Frequency range: 50,000 - 0.1 Hz
- Transfer constant: 200 mV/nT
- Dimensions: 71 x 7 cm
- Weight: 3.3 kg
- Environmental: Waterproof, IP68



## AMS-27

- Low-noise, broadband induction coil magnetic sensor for BBMT (AMT+MT+LMT) MVP, CSAMT, CSMT, FDEMS
- Frequency range: 30,000 - 0.0003 Hz
- Transfer constant: 500 mV/nT
- Dimensions: 100 x 7 cm, weight: 8.6 kg
- Environmental: waterproof, IP68

## AMS-37

- Low-noise, long period induction coil magnetic sensor for MT, MVP, BBMT, LMT, CSMT, FDEMS
- Frequency range: 3,000 - 0.00001 Hz
- Transfer constant: 1000 mV/nT
- Dimensions: 133 x 7 cm, weight: 11.5 kg
- Environmental: waterproof, IP68



## AMS-47

- Low-noise, broadband induction coil magnetic sensor for BBMT (AMT+MT+LMT) MVP, CSAMT, CSMT, FDEMS
- Frequency range: 24,000 - 0.00001 Hz
- Transfer constant: 500 mV/nT
- Dimensions: 133 x 7 cm, weight: 9.8 kg
- Environmental: waterproof, IP68



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