

UAV-borne magnetometer, gamma-ray spectrometer and CSEM

ADVANTAGES

- The autonomous mode of operation makes it possible to use a wide range of UAV
- Measurements of the geomagnetic field with high accuracy and performance provide high data resolution
- The low weight of the system increases flight time

UAV MAGNETOMETER

Key parameters

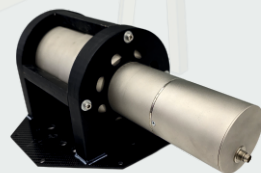
- Weight: 1.5 kg
- Magnetic sensitivity: 0.001 nT
- Lightweight aerodynamic bird
- Include compact Rb magnetic sensor
- Include data acquisition and GNSS unit
- Magnetometer frequency: up to 1000 Hz
- Magnetic Field Range: 15 000 -100 000 nT



UAV GAMMA-RAY SPECTROMETER

Key parameters

- Channels: 1024
- Weight: 3 or 6 kg
- NaI(Tl) scintillator crystal
- Recording frequency: 1 Hz
- Crystal volume: 400 or 1000 ml
- Recording frequency: 1 Hz



UAV SEMI-AIRBORNE ELECTROMAGNETIC

Advantages

- Improved data coverage
- Integration with other sensors
- Depth of exploration: 0 - 500 m
- High resolution and dense data with
- Faster and cost-effective EM sounding

Key parameters

- 1D and 2D data inversion
- Duty cycle: 25%, 50% or 100%
- Transmitter power: up to 1 kW
- Registering: X,Y,Z components
- Frequency range: 50 Hz - 100 kHz
- Maximum continuous output current: 7.5 A
- Maximum continuous output voltage: 1-288 B

High quality EM transmitter system

