

Attachment no 1
for the inquiry no 14/EAGLEEYE/2023
Technical parameters

Order subject:

The subject of the order is the delivery of one piece of the engineering model of a magnetometer for the EagleEye satellite.

CPV code:

34730000-3 - Parts of aircraft, spacecraft and helicopters

Technical requirements:

- The sensor shall provide three-axis magnetic field measurement.
- The sensor shall have an orthogonality error of less than 1° .
- The sensor shall measure from -60000 nT to 60000 nT .
- The sensor shall have a resolution better than 10 nT .
- The sensor shall take measurements at a frequency greater than 10 Hz .
- The sensor shall have a noise density of less than 20 nT rms/Hz at 1 Hz .
- The weight of a single sensor should be less than 100 g .
- The sensor should fit in a box with dimensions of $100\text{ mm} \times 50\text{ mm} \times 20\text{ mm}$.
- Power consumption should be less than 1 W .
- The supply voltage should be 5 V .
- The sensor shall communicate via RS-485 interface.