

# Flux-Gate Magnetometer

**MS-07**

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External magnetic field can be compensated up to  $\pm 100 \mu\text{T}$ .

Very useful for the measurement of 3-axis magnetic field components and its magnitude.



### Applications

- Magnetic field measurements up to  $\pm 100 \mu\text{T}$ .
- Very useful for magnetic field measurement such as warship deperming system.

### Characteristic

- High orthogonality between three-axis with high linearity.
- Useful for total field measurement.
- Low power consumption.



## Specification

MS-07	
Measuring axis	3-axis
Input voltage	16 ~ 24 V
Power consumption	3 W
Communication interface	RS-422
Measuring range	$\pm 100 \mu\text{T}$
Linearity	$\pm 0.02\%$
Orthogonality error	$< \pm 0.2^\circ$
Useful frequency range	DC ~ 10Hz

## Operating environment and Mechanical

Operating Temp.	-30 °C ~ 50°C
Dimension (mm)	170 (Length) X 50 (Diameter)
Total mass (g)	< 510
Coating	Anodizing
Connector	MWDM9P-6E5-18
Waterproofing	5 bar