

Flux-Gate Magnetometer

MS-07

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- Magnetometer measure changes of magnetic fields of magnetic objects.
- 3-axis magnetometer measure values of the x, y and z axes field, and total field of magnetic objects.
- Total field can be measured with accurate orthogonality correction between 3-axis values.
- Sensorpia Co. has accurate orthogonality correction technologies.
- Magnetometers manufactured by sensorpia Co. are highly sensitive even underwater. Since the magnetic field is not affected by seawater.



Applications

- It's very useful for measuring the magnitudes of 3-axis magnetic field components and total field exactly.
- It's very useful for measuring magnetic fields of warship deperming system.

Characteristic

- High orthogonality between 3-axis with high linearity.
- Useful for total field measurement.

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. (°C)	-30 ~ 55
Dimension (mm)	170 (Length) X 50 (Diameter)
Total mass (g)	< 510
Coating	Anodizing
Connector	MWDM9P-6E5-18
Waterproofing	5 bar