

Low Power Flux-Gate Magnetometer

MS-17

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- Magnetometer measure environmental magnetic field and 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.



Applications

- The product is useful for the measurement of 3-axis magnetic field components and magnitude with high resolution.

Characteristic

- Detecting objects with magnetic properties.
- Earth magnetic measurements.
- Environmental magnetic field measurement.
- Total field measurement.
- Low power consumption.

Specification

MS-17	
Measuring axis	3-axis
Input voltage	12V or 24 V
Power consumption	1 W
Communication interface	RS-485 or RS422
Measuring range	$\pm 100 \mu\text{T}$
Linearity	$\pm 0.01\%$
Offset error	$< \pm 10 \text{ nT}$
Resolution	0.02 nT

Operating environment and Mechanical

Operating Temp.	-
Dimension (mm)	157 (Length) X 40 (Diameter)
Total mass (g)	< 250
Coating	Anodizing
Connector	MWDM9P-6E5-18