

# Low Drift Three-Axis Flux-Gate Magnetometer MS-13

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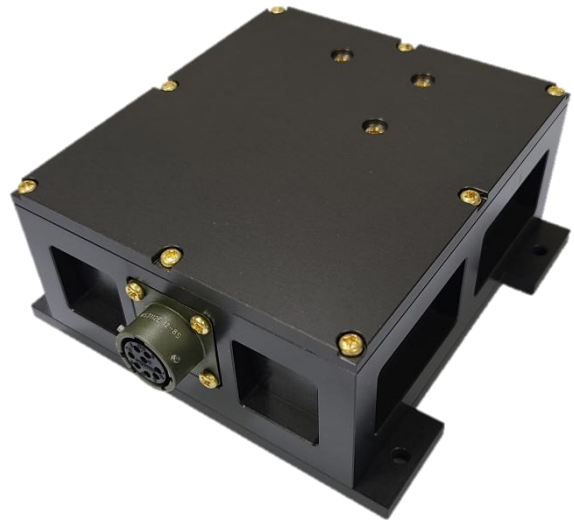
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## Low Drift Three-Axis Flux-Gate Magnetometer MS-13

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High-precision three-axis flux gate magnetometer. It is possible to detect  $\pm 10$  nT changes even unstable attitude condition.

Product is specially useful for total magnetic field measurement which is independent of magnetometer attitude change.



### Applications

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- High-precision magnetic field measurement.
- Detects objects with magnetic properties.
- Can be used for unstable attitude condition.

### Characteristic

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- Three-axis have high orthogonality with high accuracy.
- Total field measurement.
- Low drift characteristic when power is turned on.

## Specification

MS-13	
Measuring axis	3-axis
Input voltage	5 V $\pm$ 0.5 V
Power consumption	Max. 2 W
Communication interface	RS-422
Measuring range	$\pm$ 100 $\mu$ T
Linearity	$\pm$ 0.01 %
Orthogonality error	$< \pm$ 0.2 °
Low power on drift	$<$ 2 nT after 100 s

## Operating environment and Mechanical

Operating Temp.	-10°C ~ 55°C
Dimension (mm)	129.5 X 125 X 55
Total weight (g)	$<$ 1000
Coating	Black anodizing
Connector	MS3112E12-8S