



Flight Control Solution For:



Peripherals > Magnetometer

MG01 - Magnetometer

The MG01 is a self-contained magnetometer unit designed to provide precision 3D magnetic field readings in highly dynamic environments.

Key Features:

Complete 3D Magnetic Field Reading



Minimal Size and Weight

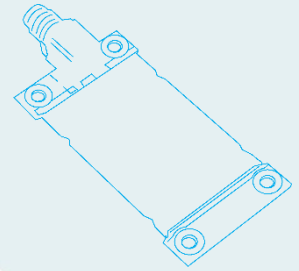


Easy Installation on Wing or Fuselages with Minimum Impact



Functions:

- The MG01 assists the autopilot or EFIS not only with accurate heading readings.
- Improve the attitude calculation in highly dynamic conditions.
- MG01 was selected to equip all the aircraft competing in the 2014 edition of the Red Bull Air Races, and also various planes competing in the Reno Air Races.



Features:

Technical Specs:

- Three-axis solid-state magnetic sensors oriented in orthogonal directions to measure the X, Y and Z vector components of a magnetic field.
- Integrated Temperature sensor.

Accuracy	Over ± 1 gauss, 0.5% Full Scale
Size (mm, H x W x L)	With the System Connector: 14 x 33 x 76 With the System and Mating Connectors: 14 x 33 x 107
Weight	15g
Range	± 2 gauss
GNSS Antenna Connector (x2)	50 Ohm SMA Female
Resolution	27 μ gauss
Maximum Exposed Field	1000 gauss
Bandwidth	5MHz
Power supply required	9 to 36 VDC
Power consumption	0.5W
System Connector (mounted on MG01)	BINDER 99-3391-282-04
Mating Connector	BINDER 99-3376-00-04* * a 3 meter cable with a pre-assembled mating connector is provided.
Data Interface	RS232 Serial
Operating Temperature	-40 to +85°C



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