



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

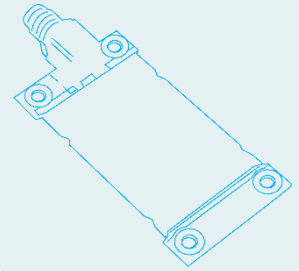


Easy Installation on Wing or Fuselages with Minimum Impact



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.



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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