AAC CLYDE SPACE

Magnetometer

MM200

HIGH PRECISION HIGH PERFORMANCE

The MM200 is a high precision magnetometer suited for autonomous satellite attitude control or scientific measurements. Due to its low noise, the magnetometer delivers high sensitivity and high resolution. MM200 features a tiny 4cm2 footprint, taking up minimal space in your satellite. All analog signal processing happens on the instrument. The user interface is presented over a packet-based I2C compatible interface, allowing quick and efficient integration into a satellite.

KEY HIGHLIGHTS:

- Low noise and high sensitivity 1.18nT/√Hz
- Covers broad range of magnetic field
- Highly radiation tolerant
- Configurable sampling rate, 500 Hz maximum
- Miniaturised for smallest volume
- Lightweight
- Easy integration with ADCS solutions
- I2C compatible interface
- ITAR free

ADAPTABILITY

Users have the option to choose between flanged housing and minimal housing depending on their mission requirements.

PERFORMANCE

Within it's tiny 4cm2 footprint, the MM200 is the best performing magnetometer on the market when it comes to low noise and sensitivity.

MINATURISED

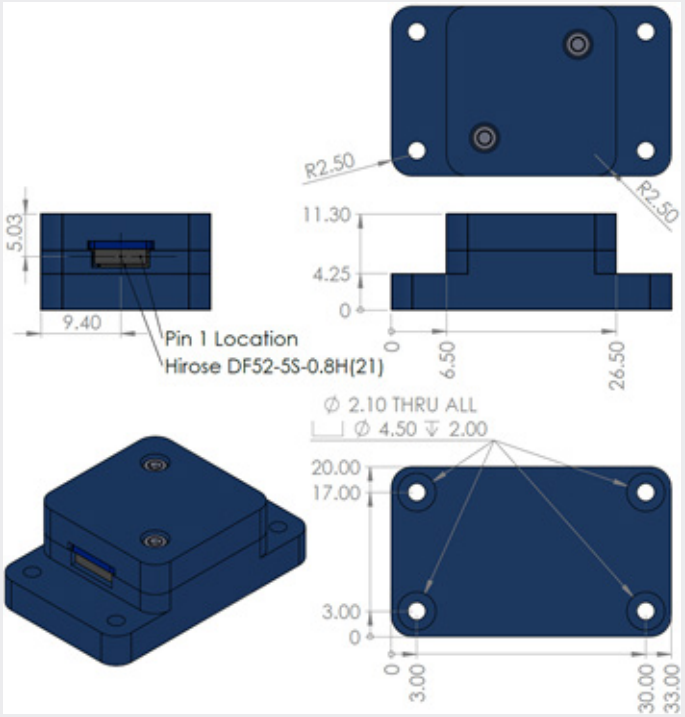
The MM200 is the world's smallest magnetometer for CubeSats. With its tiny footprint and very low mass, it enables even the smallest CubeSats to accommodate this sensor and make use of its measurements.

TECHNICAL SPECIFICATIONS

Performance		
Sampling rate	Max 500	Hz (configurable)
Radiation tolerance	Up to 30	krad
Range	+800	µT
Total noise spectral density	1.18	nT/√Hz

Dimensions & Mass		
Flanged	33 x 20 x 11.3	mm
Minimal	20 x 20 x 11.3	mm
Mass(Flanged/Minimal)	12/10 ±1	g

Electrical specifications				
	Min.	Typ.	Max.	
Power Consumption	0.5	-	10	mA



To make an enquiry, request a quotation or learn about AAC Clyde Space's other products and services, please contact:
enquiries@aac-clydespace.com

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