

HT MASS: MicroTesla High-Temperature Analog Surfacemount Sensor

The MicroTesla High-Temp Analog Surfacemount Sensor is the newest version of our analog sensor. In addition to MicroTesla's proprietary magnetometer technology, the HT MASS uses upgraded surfacemount circuit boards. These new boards are mounted to the chassis using the Ulti-Pak method for improved shock and vibration, and thermal performance.

Physical

- Length: Min 19"
- Diameter: 1.37"
- Proprietary MFE fluxgate magnetometer
- Quartz flexure accelerometers
- All boards are fully covered

Electrical

- Surfacemount high-temperature electronics
- Voltage requirement: ±12V to ±15V
- Power usage: 0.96 W peak
- Calibration coefficients are supplied

Environmental

- All boards qualified for high-temp applications, 200°C
- Q-flex accelerometers, 200°C
- Magnetometers, 200°C
- Ulti-Pak board mounting for improved shock and vibration isolation

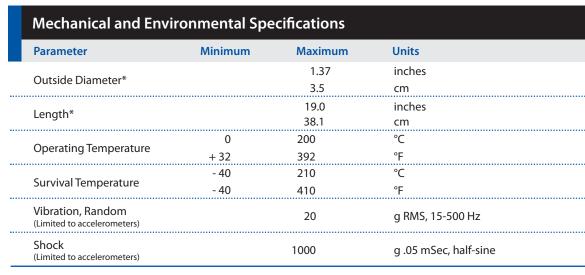


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^{*} Dimensions do not include running gear, centralizers, or axial shock absorbers.

	Instrument Accuracy Specifications			
	Parameter	Minimum	Units	
	Inclination accuracy, absolute*	± 0.10	degrees	
	Inclination spread on axial rotation at 90° Inc	< 0.20	degrees	
	Azimuth accuracy, absolute, 90° Inc	± 0.5	degrees	
	Azimuth spread axial rotation, 10° through 90°	< 1.0	degrees	
	Total face accuracy, axial rotation at 90° Inc	± 1.0	degrees	
	Total g field accuracy	± 3.0	mG	
_	Total H field accuracy, absolute	± 300	nT	

^{*} Absolute accuracy is achieved when the instrument is tested in a controlled environment using a calibrated and certified reference position.



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