

Specifications

Specifications by Range @ 20°C

		±5°	±15°	±60°
Resolution (see note 1)	Degrees		0.001	
Accuracy (see note 2)	Degrees		0.08	
Frequency Response	Hz (max)		20	
Cross-axis Sensitivity	% FRO (max)		0.2	
Repeatability (see note 3)	Degrees		0.008	

Digital Specifications

Representation	Sine of angle		
Measurement update rates	Hz	1, 2, 5, 10, 20, 50, 60 or 100	
Communication (RS485)	ASCII		
Bus Speeds (RS485)	2400, 4800, 9600, 19k2, 38k4, 57k6, 76k8, 115k2 or 230k4		

Electrical

Input Voltage	Vdc	9 to 18	18 to 36
Input Current	mA (max)	100 (single-axis) 140 (dual-axis)	50 (single-axis) 70 (dual-axis)

Environmental Characteristics

Operating Temperature Range	°C	-20 to +70	
Survival Temperature Range	°C	-40 to +80	
Shock	1,000g, 0.5ms, ½ sine		
Environmental Sealing	IP65		

Notes

- Resolution is dependant on customer's equipment and enviromental conditions.
- This is the absolute error of the DSI combining linearity, calibration uncertainties, and all thermal offset and sensitivity errors over the compensated temperature and measurement ranges.
- Maximum deviation over 50 calibrations at constant ambient temperature.

Model Designation & Ordering Code

