

Specification

**POWER REQUIREMENTS**

Voltage (single supply)	V	+4.75 to 5.25	regulated
Supply Current	A	0.15	min

**PERFORMANCE**

Input range	°/s	300	for info
Scale factor (SF)	mV/°/s	7	±15%
Bandwidth	kHz	1	3 <sup>d</sup> order LPF
Angular Random Walk (ARW)	°/√h	0.04	
Output Noise PSD	μV/√Hz	4	
Bias, RMS	°/h	1	Allan variance min
Bias Offset	mV	0.1	typical
Bias OTR	μV/°C	2	max
SF, RMS	%	0.02	In run, day-to-day
SF OTR	%/°C	-0.03	typical
Start-up	s	<0.03	90% of SF
Dissipation	W	0.5	@ 20°C (typical)

**ELECTRICAL INTERFACE**

Output voltage	V	±2	
Output Impedance	kOhm	1	

**PHYSICAL PARAMETERS**

Dimensions	mm	Ø24 x 52	ISO 2768-m tolerance
Weight	gram	30 / 50	approx.
Volume	cl	2.4	
Housing material		Al alloy/μ-metal	
Ingress protection class		IP67	

**ENVIRONMENT**

Temperature (operating)	°C	-40...+70	built-in sensor
Temperature (endurance)	°C	-55...+85	2 h min, non-operating
Vibration, RMS (endurance)	g	18 / 6	20 Hz... 2000 Hz
Output Noise on vibration	μV/g·Hz	10	typical @NTE 0.2 g <sup>2</sup> /Hz
Acceleration (operational)	g	50	
Shocks	g	750	1 ms half-sine
Magnetic response	°/h/Gauss	3 / 0.1	typical

**RELIABILITY**

MTBF	h	100 000	humidity conditions applied
Lifetime	yr	15	humidity conditions applied

**Temperature sensor**

Scale Factor	mV/°C	10	
Output Voltage	mV	750	@25°C