

OUTLINE DRAWING

MAIN PARAMETERS

◆ Rate range	300 deg/s
◆ Scale Factor (SF)	7 mV/deg/s
◆ Frequency range	0... 1 kHz
◆ Angle random walk	0.1 deg /√h
◆ Bias stability (steady state)	30 deg / h (RMS)
◆ SF variation (steady state)	0.1 % (RMS)
◆ Readiness time	0.02 s

ENVIRONMENT

◆ Temperature operating	-30°C ... +70°C
◆ Temperature endurance	-55°C... +85°C
◆ Vibration (operating)	2 g (RMS), 20Hz... 500Hz
◆ Vibration (endurance)	6 g (RMS), 20Hz... 2000Hz
◆ Shocks (endurance)	90 g, 1 ms
◆ Acceleration (operating)	5 g
◆ Acceleration (endurance)	20 g, 5 s

RELIABILITY

◆ MTBF	20000 hours (20°C, predicted)
◆ Lifetime (predicted)	15 years

- ◆ Rate range (measurement) - grade 4.0 ( linearity error - 4%)
- ◆ Rate range (indication) -400 deg/s (min) (linearity error - 15%)

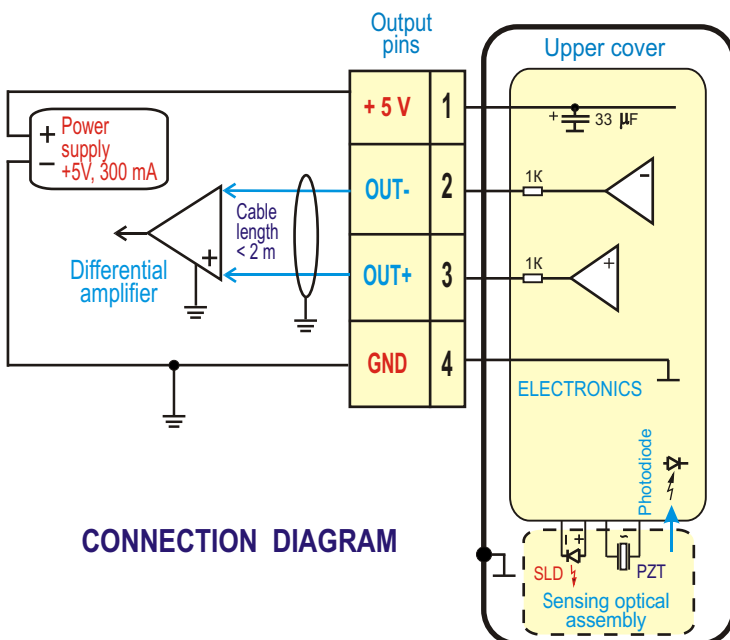
Contact	Name	Description
1	+ 5 V	Power input +5V ± 0.25V, 200mA max, ripple 10mV max within 0-1MHz
2	OUPUT -	Analog output ( ~ - 3.5 mV/ °/s ), 1V biased to "GND" *
3	OUPUT +	Analog output ( ~ + 3.5 mV/ °/s ), 1V biased to "GND" *
4	GND	Power return line, ground, floating contact to the sensor's housing

\* - sensor's output is a difference between the voltages at 3 and 2 contacts

MOUNTING AND CONNECTING

1. Do not deform housing
2. Fragile components inside - no shocks, no drop
3. Treat as electrostatic sensitive unit
4. Power must be off during connecting
5. Soldering to contacts by low-temperature solder

1. Ω - sensing axis
2. Dissipation - 1 W
3. Weight - 30 gram (approx.)
4. Volume - 0.025 litre
5. Housing material - aluminum alloy
6. Tolerances - ± 0.5 IT14



CONNECTION DIAGRAM