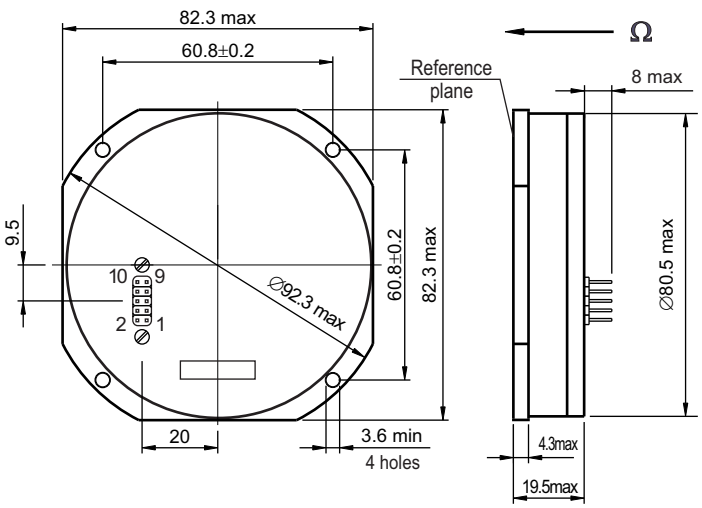
OUTLINE DRAWING



MAIN PARAMETERS (typical values)

♦	Rate range	150 deg/s
	Scale Factor (SF)	47 mV/deg/s
	Frequency range	0... 1 kHz
	Angle random walk	0.05 deg /√h
	Bias stability, RMS	4 deg / h
	SF stability, RMS	0.1 %
	Readiness time	0.1 s

ENVIRONMENT

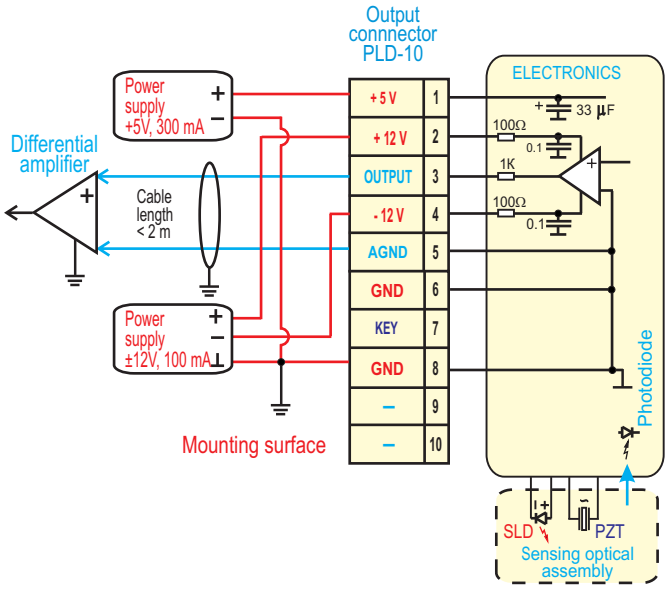
Temperature operating	-30°C ... +70°C
endurance	-55°C... +85°C
Vibration (operating), RMS	2 g, 20Hz... 500Hz
Vibration (endurance), RMS	6 g, 20Hz... 2000Hz
Shocks (endurance)	90 g, 1 ms
Acceleration (operating)	5 g
Acceleration (endurance)	20 g, 5 s

RELIABILITY

	MTBF	90000 hours (20°C, predicted)
♦♦	Lifetime (predicted)	15 years

♦ Precision class - ④
♦♦ Estimated for low humidity

CONNECTION DIAGRAM



DESCRIPTION OF OUTPUT CONNECTOR **PLD-10**

Contact	Name	Comments
1	+ 5 V	Power input +5V ± 0.25V, 200mA max, ripple 10mV max within 0-1MHz
2	+ 12 V	Power input +9V ... + 16V, 10mA
3	OUTPUT	Output voltage (47 mV/deg/sec). Differential input recommended.
4	- 12 V	Power input - 9V ... - 16V, 10mA
5	AGND	Analog ground to use with "OUTPUT". Galvanic coupling with "GND".
6, 8	GND	Power return line, ground, floating contact to the housing
7	KEY	Shortened pin
9, 10	—	Reserved

RECOMMENDATIONS AND PRECAUTIONS

1. Do not deform housing
2. Fragile components inside - no shocks, no drop
3. Treat as electrostatic sensitive unit
4. Is designed to be mounted inside water protected equipment
5. Increased humidity shortens essentially lifetime
6. Mounting surface must be grounded
7. Power must be off during connecting
8. Soldering to contacts - by low-temperature solder

PHYSICAL PARAMETERS

1. Ω - sensing axis, 90°± 0.5° to the reference plane
2. Dissipation - 1 W
3. Weight - 110 gram (150 gram max)
4. Volume - 0.1 litre
5. Housing material - aluminum alloy
6. Housing protection - powder coating
7. Tolerances per ISO 2768-m