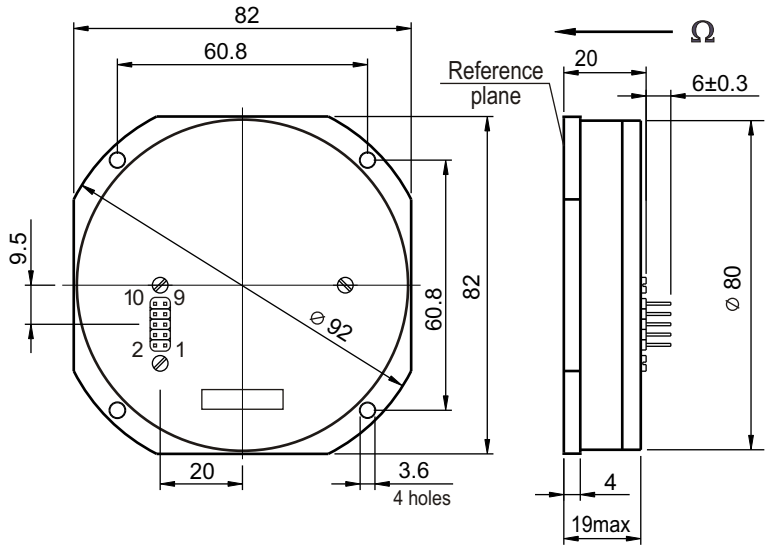


OUTLINE DRAWING

MAIN PARAMETERS

♦ Rate range	150 deg/s
Scale Factor (SF)	55 mV/deg/s
Frequency range	0... 1 kHz
Angle random walk	0.05 deg /√h
Bias stability	10 deg / h (RMS)
SF variation (steady state)	0.1 % (RMS)
Readiness time	0.1 s

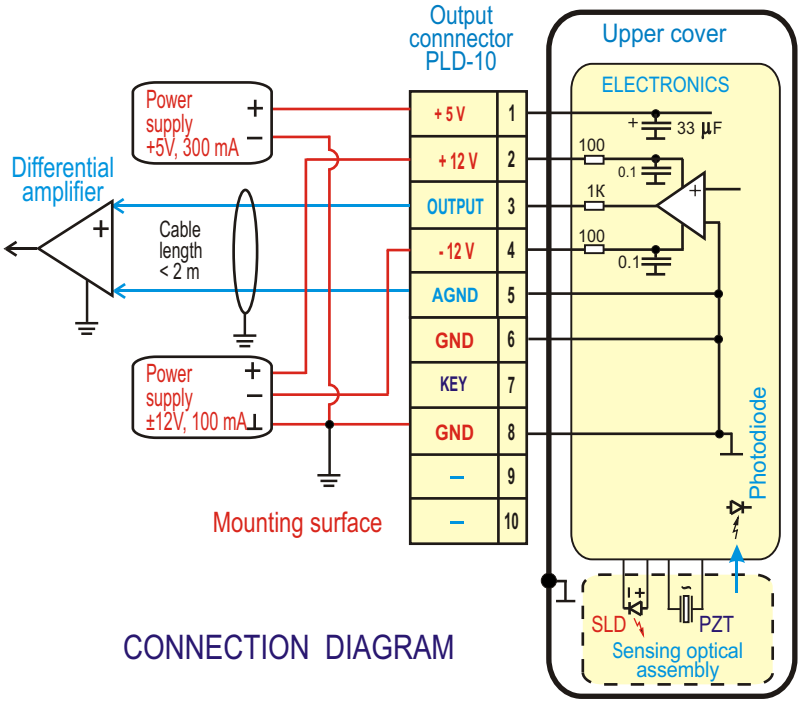
ENVIRONMENT

Temperature operating	-30°C ... +70°C
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) -200 deg/s (min) (linearity error - 15%)



CONNECTION DIAGRAM

External connector PLD-10

Contact	Name	Description
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 (55 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, electrically connected to the sensor's cover
7	KEY	Shortened pin
9, 10	–	Reserved

MOUNTING AND CONNECTING

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

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. Tolerances - ± IT14 / 2