

OUTLINE DRAWING

MAIN PARAMETERS

| | |
|-------------------------------|-----------------|
| ◆ Rate range | 150 deg/s |
| ◆ Scale Factor (SF) | 7 mV/deg/s |
| ◆ Frequency range | 0... 0.45 kHz |
| ◆ Angle random walk | 0.04 deg /√h |
| ◆ Bias stability | 5 deg / h (RMS) |
| ◆ SF variation (steady state) | 0.1 % (RMS) |
| ◆ Readiness time | 0.1 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 |

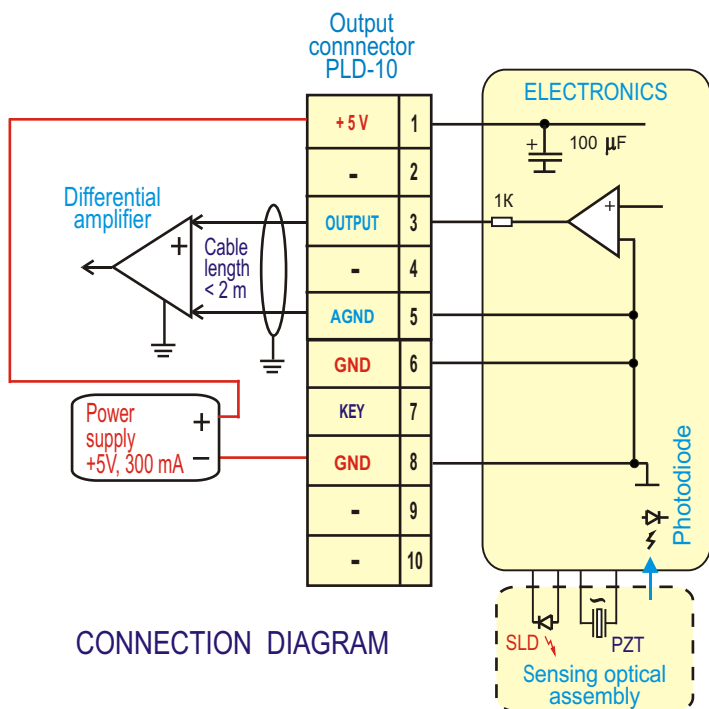
RELIABILITY

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

- ◆ Rate range (measurement) - grade 4.0 (linearity error - 4%)
- ◆ Rate range (indication) -250 deg/s (min) (linearity error - 15%)

Output connector PLD-10

| Contact | Name | Description |
|---------|--------|---|
| 1 | + 5 V | Power input +5V ± 0.25V, 200mA max, ripple 10mV max within 0-1MHz |
| 2, 4 | — | Reserved |
| 3 | OUTPUT | Output voltage proportional to rotation, scale factor 7 mV/deg/sec. Differential input recommended. |
| 5 | AGND | Analogue ground to use with "OUTPUT". Differential input recommended. Galvanic coupling with "GND". |
| 6, 8 | GND | Power return line, ground |
| 7 | KEY | Shortened pin |
| 9, 10 | — | Reserved |



CONNECTION DIAGRAM

MOUNTING AND CONNECTING

1. Do not deform housing and output pins
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, 90°± 0.5° to the reference plane
2. Dissipation - 1.5 W
3. Weight - 80 gram
4. Volume - 0.1 litre
5. Housing material - plastic
6. Tolerances - ± 0.5 IT14