

INNALABS® Gyroscope (MODEL NUMBER – CVG25)



INNALABS® GYROSCOPE is designed to measure angle rate orthogonal to its mounting plane in dynamic environment. This gyro is used to measure absolute angular rates around its sensitivity axis. the Innalabs coriolis vibratory gyroscope (CVG) is the world's first low-cost, high performance gyroscope utilizing the superior technology afforded by coriolis vibratory techniques.

MAIN APPLICATION: Navigation & Control Systems

FEATURES

- High performance bias stability
- Small form factor
- Light weight
- Long life and high reliability
- Competitively priced
- Excellent vibration performance

INNALABS® CVG25 Performance Characteristics

| PERFORMANCE | DATA |
|--|-----------------------|
| Input angular rate, °/s | ± 200 |
| Bandwidth, hz | 75..100 |
| Resolution, arcsec | < 1 |
| NORMAL ENVIRONMENTAL CONDITION | |
| Bias stability, deg/hr | 0.5..2 |
| Random walk, deg/√h | 0.05..0.15 |
| Scale factor linearity, ppm | 800..1500 |
| TEMPERATURE RANGE [-40 TO +50] °C | |
| Bias stability (allan variance), deg/hr | 3..10 |
| Random walk, deg/√h | 0.1..0.3 |
| ENVIRONMENTAL | |
| Operating temperature range, deg c | - 40 TO + 50 |
| Vibration – operational | 5G, RMS (10 - 1000HZ) |
| Shock – operational | 8000 G |
| PHYSICAL | |
| Supply voltage, +/-vs | 5 |
| Power, watts | 2 |
| Interface | RS-232 |
| Dimension 1 axis, mm | 72 W X 60 H X 62 L |
| Weight, g | 250 |