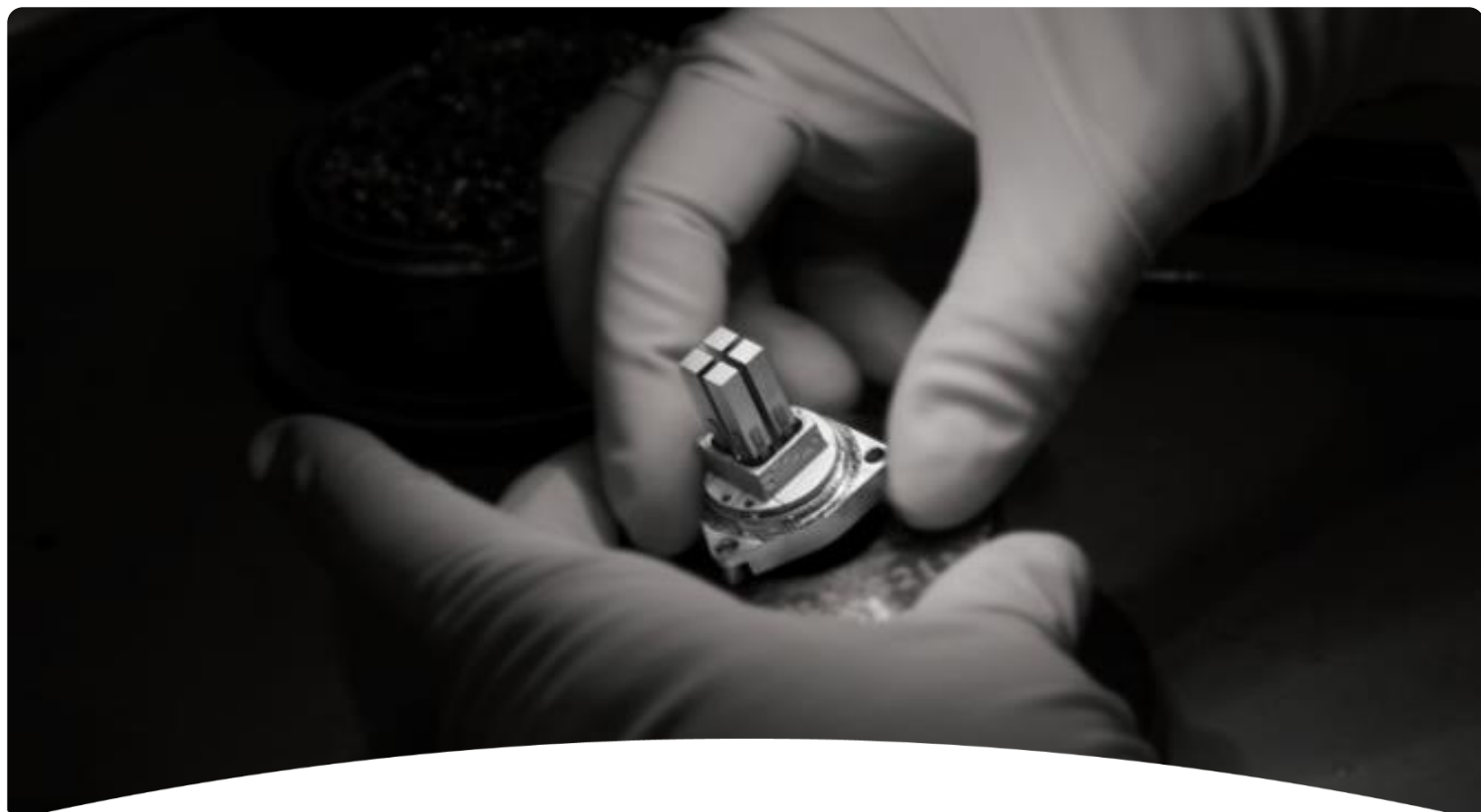


10, 20 & 30MS SERIES

RATE GYRO UNITS

- More than 40 years of experience
- Solid state vibrating gyroscope
- Best noise performance
- Robust & compact
- Flexible & reliable
- Proven technology
- ITAR FREE



10, 20 & 30MS series

Rate gyro units

200,000
SENSORS PRODUCED

The unit integrates a rugged single axis solid state vibrating rate gyro, which takes benefits of the 60 years of Safran Electronics & Defense's experience in inertial systems.

The MS series is well adapted for civil and industrial applications which offers the best noise performance, very low bias stability and experienced robustness. Stabilization gyroscopes are available in both kit version or in a block version, catering to different user needs and preferences. The kit version is composed of 1 or 2 electronic boards, 1, 2 or 3 Quapason sensors and flexible cable (optional).

PERFORMANCES	10,20,30MS series
Number of Axes	1, 2 or 3
Rate range	Up to 300°/sec
Scale factor (Analog)	+/-10 Vdc for +/- choosen full scale
Scale factor accuracy	+/- 1% (-40°C to +85°C)
Bias stability (constant temp.-1 hour)	<10 deg/h rms
Drift Variation	360°/h rms (-40°C to +85°C)
Bandwidth (-3db/90°)	100 or 200 Hz
noise (0.1-100Hz)	<0.015 deg/sec rms
Start up time	2 sec
Operating temperature	-40°C to +85°C
Shocks	50g/11ms or 300g/2ms (Mil Std 810 G)
Built in test	TTL output (0/5V)
Power consumption	2 Watts per axis
Power Supply	Kit version +/-15VDC & 5VDC Bloc version 18 to 32 VDC MILST1275 and 461

Nota:

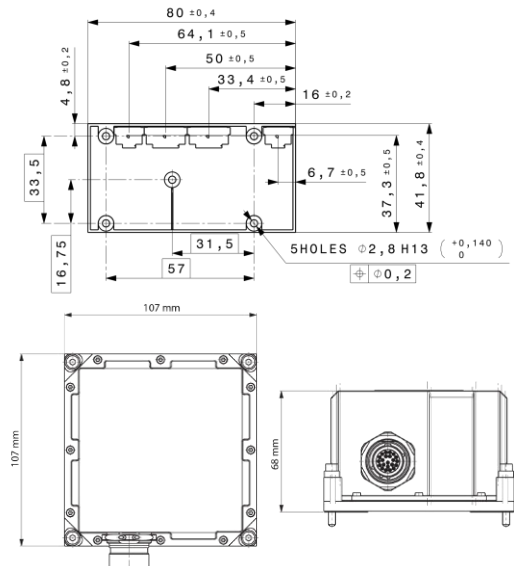
XCMS00-56 series kit version composition :

One axis : 1 electronic Board, 1 quapason, flexible cable (optional)

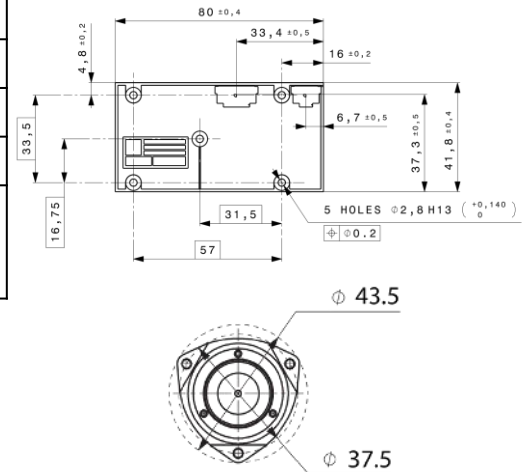
Two axes : 1 electronic Board, 2 quapasons (1 per axis), flexible cable (optional)

Three axes : 2 electronic Board, 3 quapasons (1 per axis), flexible cable (optional)

10, 20 or 30MS rate gyro package
(1, 2 or 3 angular rate axis)



10MS00-56 rate gyro unit



Applications



- Aircraft flight controls
- Antenna & sonar stabilization
- Gyro stabilized gimbals & EOTS



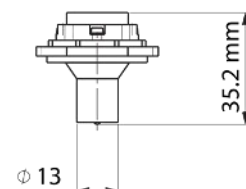
- Naval & land remote weapon systems
- Sights, optical & infrared line of sights
- Ship anti-roll systems



- Unmanned aerial vehicles (UAV) control
- Autonomous underwater vehicles (AUV) control
- Automotive testing



- Tilting trains
- Robotics
- Etc.



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