

GSM 3000 Gyro Stabilized Mount



SPECIFICATIONS	
Angular stabilization ranges: - arbitrary horizontal axis - pitch, at 0 deg roll - roll, at 0 deg pitch - yaw (drift)	± 5 deg ± 8.4 deg ± 6.2 deg ± 25 deg
Maximum angular speed to be compensated	15 deg/s typical ≥10 deg/s at -25 °C
Degree of stabilization of the horizontal axes (angular rate of the base plate ± 10 deg/s at 0.5 Hz)	≥ 50 : 1 (rms : rms)
Residual angular rate of the horizontal axes (angular rate of the base plate ± 10 deg/s at 0.5 Hz)	≤ 0.2 deg/s rms
Maximum angular acceleration to be compensated: - at a residual angular rate of ≤ 0.3 deg/s rms - at a residual angular rate of ≤ 1.0 deg/s rms	≥ 110 deg/s ² ≥ 300 deg/s ²
Deviation from perpendicular in <i>Auto Level Mode</i> - Duration of one-sided lateral acceleration 5 s - In case of very strong turbulence	0.2 deg typical 0.8 deg max.
Payload	20 to 120 kg
Operational voltage	28 VDC (21 - 30 VDC)
Power consumption	90 W typical 300 W max.
Main fuse	15 Amps circuit breaker
Operating temperature	- 25° C to + 40° C
Mass, approx.	35 kg
Dimensions (horizontal position, hydraulic system at operational elevation)	614 (l) x 617 (w) x 183 (h) mm