

GSM 4000 – Specifications



Specifications*

Angular Stabilization Ranges			
> Arbitrary Horizontal Axis:		$\leq \pm 5.5$ degree	
> Pitch (at 0 degree Roll):		$\leq \pm 8.8$ degree	
> Roll - (at 0 degree Pitch):		$\leq \pm 7.0$ degree	
> Yaw (Drift):		$\leq \pm 25.0$ degree	
Residual Angular Rate of the Horizontal Axes (angular rate of the base plate ± 10 degree/second)		0.2 degree/second rms	
Deviation From Perpendicular: (angular rate of the base plate ± 10 degree/second)			
- Without IMU support (standalone)		≤ 0.3 degree rms	
- With IMU support (accuracy depends on IMU)		≤ 0.02 degree rms	
Payload		10 ... 120 kg	
Operational Voltage		28 VDC (24 ... 30 VDC)	
Power Consumption		70 W rms / Peak 130 W	
Recommended Pre-Fuse		15 Amps circuit breaker	
Operating Temperature		-25°C ... +60°C	
Storage Temperature		-40°C ... +85°C	
Hydraulic Oil		AeroShell Fluid 41	
Useable Diameter		410 mm	
Mass		29 kg	
Dimensions GSM 4000 (Horizontal position, hydraulic system at operational level)	Length	Width	Height
	615	530	175*
	mm	mm	mm

* Preliminary data, Subject to change

*= 149.5 mm if oil is drained off