

SSM 350



Specifications

Angular Stabilization Ranges:	
- Arbitrary Horizontal Axis	$\leq \pm 8$ degree
- Pitch – at 0 degree Roll	$\leq \pm 11.3$ degree
- Roll – at 0 degree Pitch	$\leq \pm 11.3$ degree
- Yaw (Drift)	$\leq \pm 15$ degree
Compensable Angular Rates	15 degree/second
Residual Angular Rate of the Horizontal Axes (angular rate of the base plate ± 10 degree/second)	0.5 degree/second rms
Compensable Angular Acceleration	
- at a residual angular rate of ≤ 0.3 degree/second rms	≥ 110 degree/second ²
- at a residual angular rate of ≤ 1 degree/second rms	≥ 300 degree/second ²
Deviation From Perpendicular:	
with IMU support (accuracy depends on IMU)	≤ 0.2 degree rms
Payload	5 ... 60 kg
Operational Voltage	28 VDC (24 ... 30 VDC)
Power Consumption at 28 VDC	70 W rms / Peak 130 W
Main Fuse	15 Amps circuit breaker
Operating Temperature	- 25°C ... + 40°C
Storage Temperature	- 50°C ... + 70°C
Useable Diameter	350 mm
Mass	30 kg
Dimensions SSM 350 (horizontal position)	Length Width Height
	655 590 224
	mm mm mm

Preliminary data, Subject to change