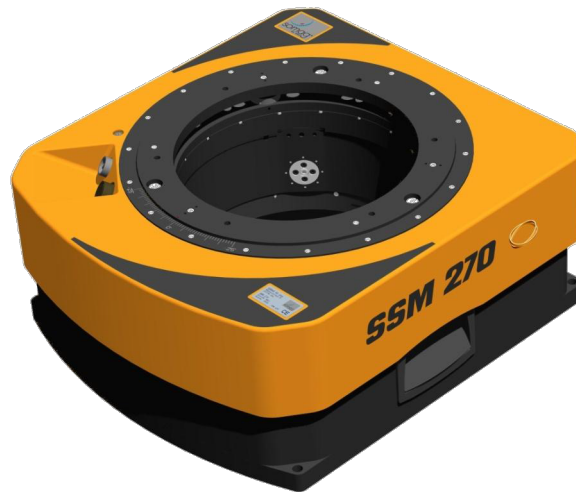


SSM 270



Specifications

Angular Stabilization Ranges:			
- Arbitrary Horizontal Axis			± 8.0 degree
- Pitch – at 0 degree Roll			± 11.3 degree
- Roll – at 0 degree Pitch			± 11.3 degree
- Yaw (Drift)			± 25.0 degree
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Compensable Angular Rates			15 degree/second
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Residual Angular Rate of the Horizontal Axes (angular rate of the base plate ± 10 degree/second)			0.5 degree/second rms
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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
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Deviation From Perpendicular:			
with IMU support (accuracy depends on IMU)			≤ 0.2 degree rms
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Payload			5 ... 50 kg
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Operational Voltage			28 VDC (24 ... 30 VDC)
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Power Consumption			80 W typical, 300 W max.
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Main Fuse			15 Amps circuit breaker
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Operating Temperature			- 25°C ... + 40°C
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Storage Temperature			- 50°C ... + 70°C
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Useable Diameter			270 mm
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Mass			~ 25 kg
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Dimensions SSM 270 (horizontal position)	Length	Width	Height
	519	475	215
	mm	mm	mm

Preliminary data, Subject to change