

ST 2400 SERIE

DUAL AXIS MOTION SIMULATOR

Options:

- **Temperature chamber:**
- 55°C to +185°C
- **Vacuum and climatic chamber:** 1.10⁻⁶ Torr
- **Customized electrical slip-rings**
- **Optical fiber rotary joint and Ethernet network**
- **Fluid rotary joints**



The dual axis table serie ST 2400 is a high accuracy position rate system designed for the test and calibration of gyros, accelerometers and inertial guidance systems.

Its brushless technology allows for large servo bandwidth and high dynamic response also does minimize maintenance cost.

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ST 2416

SPECIFICATION

	Inner axis	Outer axis	Units
Payload			
Mass (max)	40		kg
Length	445		mm
Depth	410		mm
Height	310		mm
Geometry			
Wobble	± 2	± 4	Arc second
Othogonality		5	Arc second
Rotation	continuous	continuous	
Position			
Accuracy	± 10	± 10	Arc second
Command Increment	0.036	0.036	Arc second
Repeatability	± 0.1	± 0.1	Arc second
Rate			
Range	± 100	± 100	°/s
Accuracy	± 0.005	± 0.005	%
Command increment	0.00001	0.00001	°/s
Stability			%
Over 360°	0.0005	0.0005	%
Over 10°	0.005	0.005	%
Dynamic			
Peak torque	20	40	Nm
Nominal torque	3	6	Nm
Inertia (no load)	1	20	m ² kg
No load Peak acceleration	100	100	°/s ²
Servo bandwidth	> 20	> 20	Hz
Electrical slip-rings			
Alternative optional configuration on demand	30 Channels 2A	30 Channels 2A	
Computer Interfaces			
	RS232; IEEE 488, Ethernet, High speed Scramnet		

ACTIDYN SYSTEMES ALSO MANUFACTURES THESE EQUIPMENTS TO BETTER SERVE YOU

