



## EVO-10S

EVO SERIES

SINGLE-AXIS POSITION AND RATE TABLE

Testing and calibration solutions for sensors, inertial systems and components : accelerometers, gyroscopes, MEMS sensors.

### FEATURES

- Small & compact testing table
- Off-the-shelf basic controller
- Advanced model-based controller (optional)
- Vertical & horizontal operations (optional)

### BENEFITS

- Effective cost & performance offer for light payloads
- Functional within a thermal chamber
- Ready-to-use and easy-to-run solution
- User-friendly graphical user interface

**APPLICATIONS** • Aeronautics • Space • Defense • Marine • Automotive • Scientific • Consumer industry



# EVO-10S

## TECHNICAL SPECIFICATIONS

### PERFORMANCE

Rotational freedom	Unlimited (sliprings optional)
Driving mechanism	Direct/AC brushless motor
<b>Position</b>	
Accuracy	± 20 arc sec
Repeatability	± 15 arc sec
Resolution	0,001 deg
Wobble	< 10 arc sec
<b>Dynamic</b>	
Rate	± 0.01 deg/sec to ± 500 deg/sec (other on demand)
Resolution	0.01 deg/sec
Accuracy & stability	± 0.01 % over 360 deg.
Max acceleration with nominal payload	± 500 deg/sec <sup>2</sup> RMS

### PHYSICAL CHARACTERISTICS

Nominal payload	5 kg (11 lbs), inertia < 0.05 kg.m <sup>2</sup>
Dimensions of table	Height : 230 mm (9 in.), base : Ø 170 mm (6,7 in.)
Weight of table	7,5 kg (16,5 lbs)
Power supply	1 phase 110 VAC/16A or 220 VAC/10A

### GENERAL SPECIFICATIONS

Command	<b>iXBlue</b> ProAxe Graphical User Interface
Power and control	SCU unit with basic controller
I/O	Analog I/O (One output) Digital I/O (One output)

### OPTIONS & ACCESSORIES

Table top	Ø 250 mm (9,8 in.) Ø 300mm (11,8 in.) M5 holes on a 50 mm grid
Control	MCU unit with <b>iXBlue</b> NGen Controller with advanced patented functions and real-time control
Electrical access to payload	Slipring 20 lines 2 amp
Mountings	Standard plate, L-shape base for vertical or horizontal use
Manual tilt	Angular freedom : ± 120 deg, position accuracy ± 20 arc sec

### TEMPERATURE ENVIRONMENT

EVO-10S can be used directly inside a thermal chamber from -20°C to +50°C in non-condensing environment.

Performance can change depending on configuration / Specifications are subject to change without notice / Please contact **iXBlue** for special requirements