

**960-0140SM      MOTORIZED ROTATION STAGES WITH SM SYSTEM**



The SM system is a complete, compact and user-friendly integrated control system that features a brushless DC servo motor, motion controller, encoder and amplifier.

It is a decentralized drive system. It is a fully integrated motor system that includes a Brushless D.C. Servo-Motor (BLDC), Motion Controller, Drive-Electronics, Position Feedback Encoder and Fully Programmable Points of I/O (Inputs/Outputs). All these components are placed

inside one integral frame or housing.

Each decentralized drive system is fully programmable as a stand-alone system or as part of a network fieldbus - Profibus, DeviceNet or RS232, RS485.

The integration of motor, controller and drive reduces complexity in an application and significantly increases reliability. The command set and firmware enables the SM system to perform a wide range of motion controls, arithmetic and conditional logic functions. The unit is a highly capable, stand-alone, complete motion control system that is easy to implement and use.

- M30×1 diameter platform insert
- Two 25 mm (1 inch) retaining rings
- Centered platform insert
- Inch & non-vacuum versions are available

**SPECIFICATIONS**

<b>Rotation range</b>	<b>360°</b>
<b>Encoder resolution</b>	2000
<b>Max. rotation speed</b>	16 turn/min
<b>Backlash</b>	0 µm
<b>Wobble</b>	0.5 arcmin
<b>Eccentricity</b>	10 µm
<b>Load capacity</b>	
<b>Horizontal</b>	10 kg
<b>Vertical</b>	2 kg
<b>Torque</b>	1 Nm
<b>Cable</b>	2 m
<b>Motor</b>	SM

Recommended Power Supply - **PUP120-17**

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<b>Code</b>	<b>Price</b>	<b>Delivery</b>
<b>960-0140SM</b>	2350 €	Request
<b>960-0150-23SM</b>	2308 €	Request
<b>960-0150-30SM</b>	2323 €	Request
<b>960-0150SM</b>	2308 €	Request