



News Release

Festo Introduces a Low-Cost, Versatile Programmable Position Transmitter for Linear Actuators

The new [T-slot SDAT-MHS programmable position transmitter](#) accommodates small to large actuators and utilizes I/O-Link, switching output, and analog current output for maximum flexibility in the choice of signal processing.

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HAUPPAUGE, NY, November 25, 2014 — The new SDAT-MHS T-slot programmable position transmitter from Festo provides the same functionality as position transducers and mechanical potentiometers at a significantly lower price point. These new sensors offer OEMs a flexible solution for sensing the position of pneumatic cylinders. By sensing the magnetic piston, cylinder position can be transmitted to the PLC with repetition accuracy of 0.1mm.

The five sizes of the Festo SDAT-MHS correspond to the most commonly used strokes of Festo [pneumatic cylinders](#). The SDAT-MHS detects complete strokes without projecting beyond the end of the cylinder, including full stroke length and end position sensing. In addition to analog position data, the SDAT-MHS also features a programmable digital switching output that can replace an existing cylinder switch.

Analog current output, digital switching output, and IO-Link are combined within this sensor. Using traditional analog and digital inputs,

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the user can see current analog cylinder position as well as one digital switching output that is freely programmable to give normally open or normally closed cylinder switch, window comparator, or hysteresis comparator modes. Users with IO-Link gain three additional switching outputs as well as the opportunity to program the switch through a convenient graphic interface.

Key specifications of the SDAT-MHS include:

- Sensing ranges 50, 80, 100, 125, and 160 mm
- Repetition accuracy 0.1 mm
- Linearity error Typically 0.25mm
- Resolution 0.05 mm
- Analog output 0...20mA
- Mounting Inserted in the T-slot above
the cylinder
- Protection classes IP65, IP68
- Port 30 cm cable with M8, 4 Pin plug

For more information on the low-price-point, versatile SDAT-MHS T-slot programmable position transmitter, call Festo at 800-993-3786 and visit <http://www.festo.us>.

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About Festo

Festo is a leading manufacturer of pneumatic and electromechanical systems, components, and controls for process and industrial automation. For more than 40 years, Festo Corporation has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment.

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