



Press Release Contact Information:

Eileen Otto
Macro Sensors
Director, Sales & Marketing
7300 U.S. Route 130 North
Pennsauken, NJ
USA, 08110
Voice: 856-662-8000
E-Mail: [Email us Here](mailto:info@macrosensors.com)
Website: [Visit Our Website](http://www.macrosensors.com)

**Contact-free DC-Operated Rotary Position Sensors
Features 0.1% Linearity Over 120° Measurement Range**

Macro Sensors introduces its new RS 1500-120 series of Fractional-Turn Contactless Rotary Position Sensors for measuring the angular displacement of rotating elements such as quarter-turn ball and butterfly valves, air flow dampers, and diverter gates used in packaging and postal sorting machinery.

/24-7PressRelease/ - PENNSAUKEN, NJ, October 13, 2007 - Available as the RSE 1500-120 with a 24 V DC input and a 0-to-10 V DC output, or as the RSI 1500-120 with a 2-wire 4-20 mA loop-powered transmitter I/O, these units are adaptable to a wide variety of industrial automation and process control applications.

Although their shafts can rotate a full 360°, the RS 1500-120 rotary position sensors utilize contactless inductive technology to measure shaft angle position over a nominal range of 120° with excellent accuracy and repeatability and exceptional reliability.

Other significant features of the RS 1500-120 series rotary position sensors include:

- Servo-mount groove and pilot in sensor body
- Convenient mounting flanges available
- Splash-proof shaft seals available.
- No slip rings or rotors to wear out
- Absolute output so no output loss after power failure
- Excellent price/performance characteristics

The RSE 1500-120 supplies a true 0-to-10 Volt DC output from a nominal 24 V DC power supply. The RSI 1500-120 rotary position sensor can be connected either as a loop powered two-wire 4-20 mA transmitter, or as a three-wire sourcing current transmitter using an external 24 V DC loop power supply. The voltage output version is a natural adjunct to PLC-controlled automation systems or PC-based data acquisition equipment. The 4-20 mA loop version supports all kinds of process applications with a low noise current loop output ideal for connection to the analog input of a remote data logger, supervisory process controller or SCADA system located some distance from the sensor or the measurement point.

For price and delivery information, please contact Eileen Otto at sales@macrosensors.com or visit our web site at www.macrosensors.com

About Macro Sensors

Macro Sensors' extensive line of LVDT-based linear and rotary sensors are used for linear position measurement and feedback in a variety of industrial applications including factory automation and motion control systems, as well as for valve position sensing in steam turbine power plants. Incorporated in 1994, the Company offers more than 400 years of cumulative LVDT design and manufacturing experience by its key staff in serving its OEM and end-user international customer base. In June, 2005, Macro Sensors was acquired by AST, a manufacturer of state-of-the-art MEMS-based pressure sensors, transducers, and transmitters. AST sensor products are used in industrial OEM products, hydraulic systems, fuel cells, medical gas test systems, HVAC/R, oil & gas exploration/production, and off-road vehicles. For more information on AST products and technology, visit the AST website at www.astensors.com.

U.S. Route 130 North, Bldg. 22, Pennsauken, NJ 08110-1541
Tel: 856-662-8000 Fax: 856-317-1005