

Pressure Transducers and Schaevitz® LVDTs for Power Generation

*Contracted LVDT supplier to GE, Siemens
Westinghouse and Bently Nevada*



Schaevitz® LVDTs from Measurement Specialties,
keep this GE Turbine running efficiently.

measurement
SPECIALTIES



Pressure Transducers



Model M5100

LOW COST!

For pump control and compressors

- Microfused™ technology for no welds/no leaks in media path
- Low cost for high volume use
- New rugged electronics
- Small, vibration proof package
- Temperature compensated from -40° to 125° C
- Gage or sealed gage
- Many output options
- Pressure ranges from 50 to 30,000 PSI
- Exceeds heavy industrial CE rating



Model US 5100

Pressure for fuel, tanks, steam, intake manifolds and turbines

- ASIC compensated for high accuracy at low cost for high volume applications
- +/- 0.75% total error band
- Rugged 316L Stainless steel design
- EMI/RFI and CE rated
- Pressure ranges up to 5,000 PSI
- Gage or absolute



Model US 10,000

For calibration and high accuracy pressure sensing

- Advanced digital compensation
- +/- 0.5% total error band
- Rugged 316L Stainless steel design
- EMI/RFI and CE rated
- Pressure ranges up to 10,000 PSI

Schaevitz® Rotary Transducers

Full datasheets available online
at www.meas-spec.com



Model R30A

AC-Operated Rotary Variable Differential Transformer

For use on control and flow valves

- Long term reliability through proprietary non-contact design
- For applications that do not require rugged design bearing
- +/-30° linear or +/-60° full range
- -55° to 150°C operating range
- Can be made radiation resistant



Model R36AS

AC-Operated Rotary Variable Differential Transformer

For use on control and flow valves

- Long term reliability through proprietary non-contact design
- Stainless steel case and rugged design
- +/-30° linear or +/-60° full range
- -55° to 150°C operating range
- MS Style connector
- Can be used with CTS electronics to make a loop powered system
- Can be made radiation resistant



Model HCAR

For Turbine Valves

- Hermetically sealed with welded housing and double shielding for hostile environments
- Radial connection for ease of mounting on turbine valves
- Through-bore design
- -55° to 150° C operating range



Model PTS

For Damper Valves

- IP66 rated
- Zero and span potentiometers in LVDT to adjust 4-20mA output to valve stroke loop powered



Model MP

For use on Balance Systems

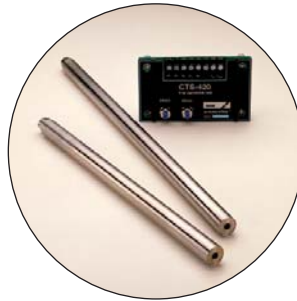
- Anodized extruded aluminum housing for harsh conditions
- Can withstand 150°C
- Mounting feet on housing



Model HCT-IS

For Splitter and Transfer Valves

- Hermetically sealed
- Intrinsically safe off-the-shelf
- Loop powered



Model CTS

For IGVs and Control Valves

- System behaves like a 2 wire loop
- Zero and span potentiometers to adjust 4-20mA output to valve stroke
- Remote electronics (installed up to 25 ft away) in optional JIC enclosure



Model XS-ZTR

For Use in a Nuclear Reactor Or Cooling Ponds

- Radiation resistant to 10¹¹ RADs
- Hermetically sealed
- -195° to 550°C operating range
- Can withstand pressures to 3000PSI

GE-Approved

Measurement Specialties is the contracted supplier of Schaevitz® steam and gas turbine valve LVDTs (linear variable differential transformer) and LVRTs (linear variable reluctance transformer) to General Electric, Siemens Westinghouse and Bently Nevada. If you are running these systems, we have your replacement parts.

Gas LVDTs are approved for intrinsic safety through Factory Mutual (FM) and ATEX for European intrinsic standards. Measurement Specialties' Schaevitz® application and design engineers have been working with GE, GE's subcontractors, and its gas turbine customers to provide technical expertise for more than 10 years. From the unique output required by the General Electric control system to the various types of gas control valves, IGV's (inlet guide vane), and gas stop ratio valves, Measurement Specialties can add valuable support to your production or refurbish project.

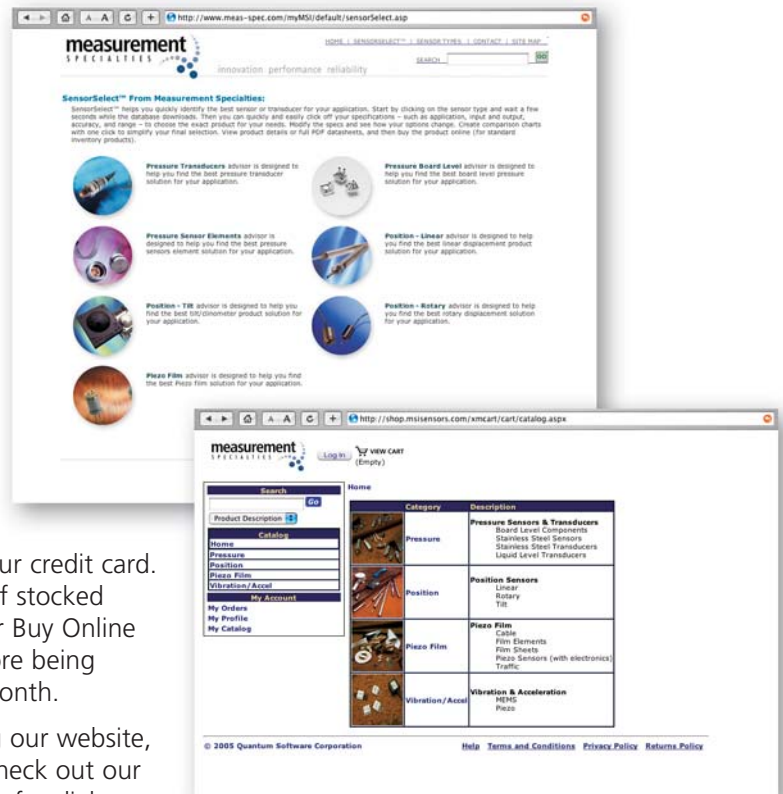


Simplify your Product Search with New SensorSelect™ and Buy Online

Now you can find the transducer you need quickly and easily online at www.meas-spec.com. The new Measurement Specialties website features two exciting new applications to help you identify and order the LVDT or pressure transducer you need for your critical plant application.

SensorSelect™ allows you to quickly and easily identify the part you need, compare it to similar products, view product specs or open a full datasheet. For many common parts, another click takes you into our Shopping Cart so you can buy the product online with your credit card. You'll find hundreds of stocked parts already in our Buy Online feature, with more being added every month.

While visiting our website, be sure to check out our User Forums for dialog on application usage. Ask your own question and get an online response from our application engineers within 24 hours... and then watch for ideas from other engineers in the user community.



About Measurement Specialties

Measurement Specialties Inc. designs and manufactures sensors, transducers and components to measure precise ranges of physical characteristics such as pressure, force, position, vibration, tilt, humidity and photo optics. Measurement Specialties uses multiple technologies – including piezoresistive, electro-optic, electro-magnetic, capacitive, application specific integrated circuits (ASICs), micro-electromechanical systems (MEMS), piezoelectric polymers and strain gauges – to engineer sensors that operate precisely and cost effectively in mild to very harsh environmental conditions.

Measurement Specialties, Inc. is traded on the NASDAQ under symbol MEAS.



Quality Certifications
ISO9001, ISO14001, TS16949, AS9100

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