

PRODUCT OVERVIEW

A guide to products for the Oil & Gas, Petrochemical, Chemical and Power segments.

- Measurement and Control
- Temperature Sensors
- Grab Sampling Systems



SOR® customer service representative, Jack Stockton, discusses pressure solutions with a plant manager at a mining and cement facility in Sugar Creek, Missouri.

Level Switches

- Stainless steel switching mechanisms – no aluminum or brass
- Carbon or stainless steel construction, exotic materials available
- High pressure capabilities
- Wide variety of agency approvals
- Float, displacer and electronic level switches available
- Versatile switching mechanisms for retro-fit situations
- Excellent corrosion resistance to perform in harsh environments
- Easy to install and maintain with low cost of ownership
- 5 year warranty
- SIL certified

700 Series
Top Mounted
Displacer Level
Switches



1500 Series
Level Switches with
Manual Check



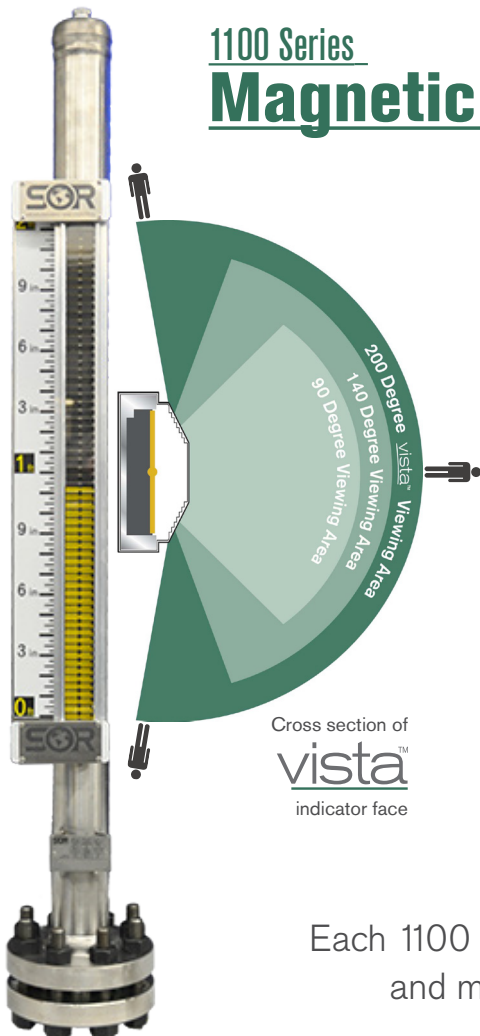
100 & 200 Series
Flanged, Sealed Steam
Trap Chambered
Level Switches



Level switches provide superior alarm and monitoring control for heavy industries such as power generation, refining, petrochemical and general manufacturing.

1100 Series

Magnetic Level Indicators



- 200° viewing angle with vista[™] indicator
- Forward viewing distance of 250 feet (76 meters)
- Chambers designed to ASME B31.1 and B31.3 guidelines
- Schedule 10 & 40 316/316L stainless steel construction standard, schedule 80+ and other materials available
- ASME Section IX and AWS qualified welding system
- Standard dimensional drawings available at quotation
- No pressurized floats
- Interface detection capability
- NACE and CRN certifications available
- High temperature and cryogenic designs suitable for extreme applications
- Extensive auxiliary instrumentation available
- 5 year warranty

Each 1100 Series MLI is engineered for your exact application and manufactured to our rigorous quality standards.

Pressure Transmitters



815PT
Smart
Pressure
Transmitter

800 Series Compact Transmitters

- Includes both HART®7 and Modbus communications
- 4-20 mA or 1-5 VDC (low-power) mode of operation output
- Durable, compact 316 stainless steel explosion proof housing
- 9-way configurable normally-open solid state switch output
- High accuracy of $\pm 0.10\%$ (URL)
- FM and ATEX certified for hazardous locations in U.S., Canada and Europe
- Dual Seal approval available
- 3 year warranty



LCD
Digital
Indicating Display

815DT Smart
Differential
Pressure
Transmitter



1800 Series Conventional Transmitters

- Gauge Pressure Ranges:
-0.9 to 0.9 psi through -14.5 to 14,500 psi
-40 kPa to 40 kPa through -100 kPa to 100 MPa
- Differential Pressure Ranges:
-0.87 to 0.87 psid through -72.5 to 1,450 psid
-6 kPa to 6 kPa through -500 kPa to 10 MPa
- 4-20 mA output with optional HART® Communication Protocol
- 1-5V and modbus output
- $\pm 0.2\%$ accuracy (URL)
- Aluminum explosion proof housing
- Optional integral LCD display
- CSA explosion proof approval
- ATEX / IECEx certified for Intrinsically Safe and Flameproof applications
- 3 Year Warranty



1800PT
Standard Over
Pressure Transmitter



2, 3 and 5 Valve
Manifolds available



1800DP
Differential
Pressure
Transmitter

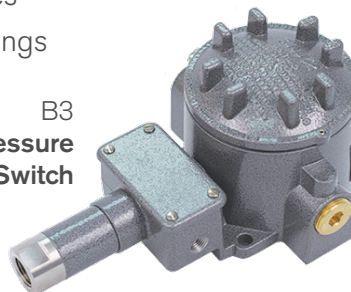
Pressure and Temperature Switches



NN
Pressure
Switch

- Rugged, high-cycle rate of tolerance, long life, vibration resistant
- Excellent corrosion resistance to withstand demanding applications
- High resolution of set points
- Variety of process connections and sizes
- Weatherproof and explosion proof housings
- Wide selection of wetted parts
- No periodic service required
- Simple installation
- High repeatability
- Narrow dead band
- SIL Certified
- 3 year warranty – one of the longest in the industry

B3
Pressure
Switch



Mini Hermet
Pressure Switch

- Industrial, remote mount and field adjustable thermocouples and RTDs
- Sanitary RTDs and thermocouples
- High pressure thermocouples
- Hi temp and ceramic protection tube assemblies
- General purpose and specialty sensors
- Multipoint sensors and assemblies
- Transmitters and indicators
- Sample probes



- Complete custom application designs
- Size and material of thermowells are fully customizable
- Barstock and pipe thermowells
- Quick delivery on standard product offering



Sampling Systems

- SENSOR Sampling has a design to meet all your liquid and vapor applications, even the most difficult and dangerous.
- Systems are designed to meet Leak Detection Repair (LDAR), Maximum Achievable Control Standards (MACT) and Volatile Organic Compounds (VOC) emission standards.
- PED compliant and TPED components can be supplied when required.
- Since no two sampling systems are exactly alike, each of our products is engineered to order.



BBSS

Low Vapor Pressure Liquids

- Inline Sampling Systems (**ISS**)
- Basic Bottle Sampling Systems (**BBSS**)
- Pressure Isolating Bottle Sampling Systems (**PIBSS**)
- Inline Valve Sampling Systems (**IVSS**)

Liquefied Gases and Gases

- Liquefied Gas Sampling System (**LGSS**)
- Vapor Sampling System (**VSS**)



LGSS & VSS

Heavy Liquids

- Heavy Products Sampling System (**HPSS**)
- RAM Sampling System (**RSS**)



HPSS

Other Applications



HFSS



DTSS

- Tank Farms (**TFSS**)
- Sulfuric Acid (**BBSS**)
- Phosgene (**SHFVSS**)
- Hydrofluoric Acid (HF) (**HFSS**)
- Spot Sampling for Trace Gases (**DTSS**)
- Steam Condensate & Boiler Blowdown (**SHCSS**)