

PRODUCT OVERVIEW



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 capability
- Wide variety of agency approvals
- Float and displacer level switches available
- Versatile switching mechanisms for retro-fit situations
- Excellent corrosion resistance – performs in harsh environments
- Easy to install and maintain with low cost of ownership
- 5 year warranty
- SIL Certified

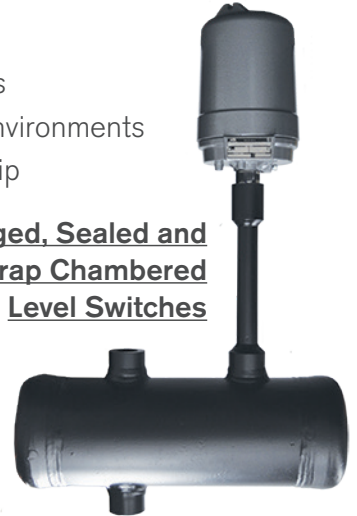
700 Series
Top Mounted
Displacer Level
Switches



Level Switches
with Manual Check

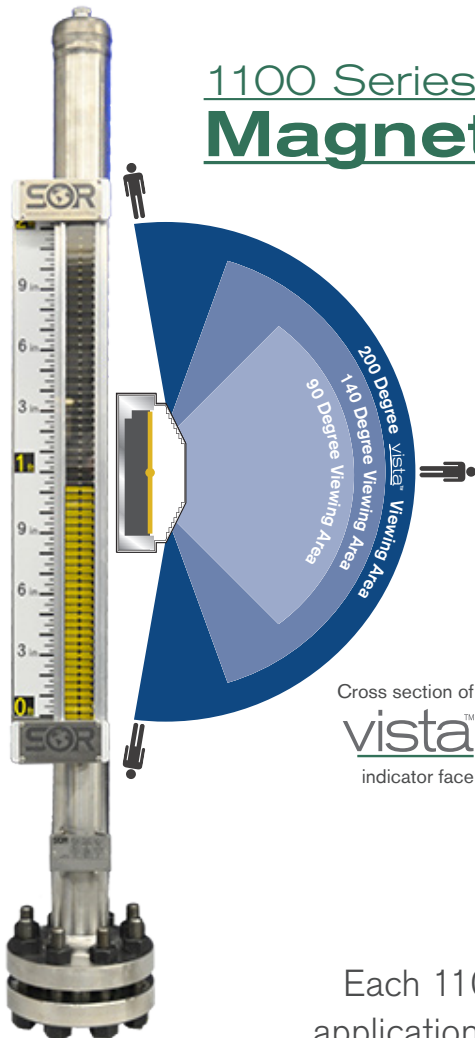


Flanged, Sealed and
Steam Trap Chambered
Level Switches



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 ANSI/ASME B31.1 and B31.3 guidelines
- 2 1/2" Schedule 40 316/316L stainless steel construction standard, Schedule 80 and other materials available
- ASME Section IX and AWS qualified welding system
- Dimensional drawings available at quotation
- Full penetration welds
- No pressurized floats
- Full hydro test of floats @ 1.5 MAWP standard
- Interface detection capability
- NACE and CRN certifications available
- High temperature and Cryogenic designs
- Extensive list of auxiliary instrumentation available
- 5 year warranty

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

Pressure Transmitters

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 +/-0.10% (URL)
- FM and ATEX certified for hazardous locations in U.S., Canada and Europe
- Dual Seal approval available
- Available for quick delivery in 48 hours!
- 3 year warranty



815PT
**Smart
Pressure
Transmitter**



LCD
**Digital
Indicating Display**

815DT Smart Differential Pressure Transmitter



1800 Series Conventional Transmitters

- Gauge Pressure Ranges:
-40 kPa to 40 kPa through -100 kPa to 40 MPa
-5.8 to 5.8 psi through -14.5 to 5,801 psi
- Differential Pressure Ranges:
-6 kPa to 6 kPa through -500 kPa to 10 MPa
-0.87 to 0.87 psid through -72.5 to 1,450 psid
- 4-20 mA Output with Optional HART® Communication Protocol
- ±0.075% Accuracy (URL)
- Aluminum Explosion-Proof Housing
- Optional Integral LCD Display
- EMC (EMI/RFI) Protection
- ATEX / IECEx Certified for Intrinsically Safe and Flameproof applications
- 2 Year Warranty



1800 Series
**Standard Over
Pressure Transmitter**



2, 3 and 5 Valve
Manifolds available

1800 Series Differential Pressure Transmitter



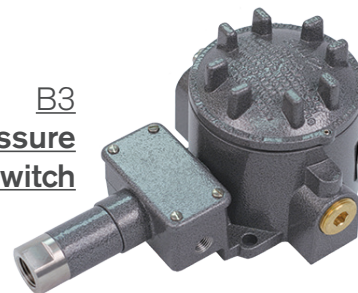
Pressure Switches

- Rugged, high-cycle rate of tolerance, long life, vibration resistant
- Excellent corrosion resistance – withstands demanding applications
- High resolution of set points
- A 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



NN
**Pressure
Switch**

B3 Pressure Switch



Mini Hermet
Pressure Switch

Temperature Sensors and Thermowells

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



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

SENSOR 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.
- 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 Samplin Systems (**BBSS**)
- Pressure Isolating Bottle Sampling Systems (**PIBSS**)

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

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

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MEASUREMENT AND CONTROL