

# SOR® 800 Series Pressure Transmitters

SEE MORE AT [SORInc.com](http://SORInc.com)

**Request Quote**

Innovative sensor technology is at the heart of the SOR 800 series pressure transmitters. The welded stainless steel sensor eliminates the need for an o-ring and is extraordinarily reliable, accurate and immune from hydrogen and other contaminant based influences that originate from the process. This sensor is then embedded within a rugged but compact cast stainless steel electronics housing that contains circuitry choices of 4-20 mA or low-power 1-5 VDC output signals. Select models offer additional outputs.

## Features and Benefits

- Explosion proof and weatherproof housing
- Performance tested for accuracy compliance from -40°F to 176°F (-40°C to 80°C)
- Combination 1/4" NPT(F) and 1/2" NPT(M) standard process connection
- 5:1 calibration turndown
- True gauge pressure measurement
- Dual Seal approval to ANSI 12.27.01
- Three year warranty
- Global certifications



**HART**  
COMMUNICATION PROTOCOL



	805PT	805QS	815PT	815DT
Analog/Switch Outputs	Analog	Analog plus solid state switch output (rated: 30 V, 120mA max.)	Analog plus solid state switch output (rated: 30 V, 120mA max.)	Analog plus solid state switch output (rated: 30 V, 120mA max.)
Communication Protocols	none available	none available	Modbus® RTU communication & HART 7® protocol	Modbus RTU communication & HART 7 protocol
Ranges (full scale)	0-5 to 0-30,000 psi (0-0.35 to 0-2069 bar)	0-5 to 0-30,000 psi (0-0.35 to 0-2069 bar)	0-5 to 0-30,000 psi (0-0.35 to 0-2069 bar)	0-138 in H <sub>2</sub> O (0-5 psid) to 0-500 psid
Accuracy	±0.25%	±0.25%	±0.1%	±0.1%
Response	5ms	5ms	70ms	70ms
Features	All analog sensing and output circuitry	Analog & discrete sensing and output circuitry	External magnetic zero & span adjustments	External magnetic zero & span adjustments
Standard Process Connection	Stainless steel, 1/2"NPT(M) with 1/4"NPT(F)	Stainless steel, 1/2"NPT(M) with 1/4"NPT(F)	Stainless steel, 1/2"NPT(M) with 1/4"NPT(F)	Stainless steel, Dual 1/4"NPT(F)... HI & LO
Optional Process Connection	316SS, 1/2"NPT(M) flush mount, liquid-filled diaphragm seal	316SS, 1/2"NPT(M) flush mount, liquid-filled diaphragm seal	316SS, 1/2"NPT(M) flush mount, liquid-filled diaphragm seal	Consult the factory
Field Adjustments	With PC & calibration kit	With PC & calibration kit	Locally or via HART 7 and Modbus RTU	Locally or via HART 7 and Modbus RTU
See Literature	1360	1552	1587	1587



913-888-2630 | 800-676-6794 | [SORInc.com](http://SORInc.com)

**Engineered to Order with Off-the-Shelf Speed**