

# PRODUCT BULLETIN

## 815DT Smart Differential Pressure Transmitter

The robust and compact 815DT smart differential pressure transmitter from SOR Inc. is designed for applications in hazardous locations and hostile environments where a compact low cost option is preferable to a traditional style transmitter. The 815DT excels where many differential pressure transmitters fail.

Where a traditional differential pressure transmitter would be too expensive and bulky for an application, the affordable 815DT can provide continuous measurements with most industry communication protocols. Along with an industry leading 3 year warranty, the 815DT is the perfect solution for reliable measurement in many differential pressure, level and flow applications.

### FEATURES

- HART®7 communication protocol with 4-20 mA output
- 1-5 VDC (low-power) mode of operation output
- Modbus RTU (RS-485) serial communications
- Configurable normally-open solid state switch output (SPST)
- $\pm 0.10\%$  (URL) accuracy (continuous output)
- 316 stainless steel, explosion proof housing
- Compact: 2.2 in./55.9 mm face to face dimension
- Hermetically sealed leads
- Pressure ranges: 0-138 in H<sub>2</sub>O (0-5 psid) to 0-500 psid
- Turndown: 5 to 1
- Zero and span magnetic targets located on housing
- NEMA 4X, IP66 housing
- FM and ATEX in U.S., Canada and Europe
- 3 year warranty
- Light weight: 1.8 lbs. (0.8 kg)



### APPLICATIONS

**FILTERS** – A low cost compact differential pressure transmitter is a great way to measure pressure drops across filters to indicate clogging.

**DISTILLATION COLUMNS** – Without proper monitoring, distillation columns can become backed up causing damage to pumps, as well as causing other problems in the separation process. Installing a differential pressure transmitter can show early warning signs of a back-up preventing damage to equipment and minimizing down time.

**COMPRESSOR SKIDS** – High vibrations can damage process connections. With a low center of gravity the 815DT is a better solution for high vibration environments.

**LEVEL APPLICATIONS** – The 815DT is a low cost alternative to expensive level transmitters. It can provide continuous measurement that can be integrated into a PLC or wired directly to a pump or alarm.

For further information or questions please contact  
Customer Service at 913-888-2630.

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