



TECHNICAL DATA SHEET
PRESSURE TRANSDUCERS
(LOW RANGE)

No. SPECS-DRL-062

Rev. 0

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TITLE: LOW RANGE PRESSURE TRANSDUCERS

DEPARTMENT: TECHNICAL SUPPORT

DESCRIPTION:

From as low as 40 psi to 800 psi, the low range pressure sensor may be installed in at any point in the process line – blooie line (for geothermal wells), mud gas separator line, and any other location which requires precision low pressure monitoring.



A. Standard Unit Specifications.

BRAND: Rosemount
MODEL: Model 2088 Smart Pressure Transmitter
SENSOR TYPE: Isolating Diaphragm - Polysilicon Sensor
INSTALLATION LOCATION: Low pressure process data acquisition points.
MEASURING RANGE: 0-800 psi (Re-rangeable SPAN from 40 psi to 800 psi)
OVERPRESSURE LIMIT: 1,600 psi
SENSITIVITY: 0.16 psi
ACCURACY: $\pm 0.2\%$ of SPAN
RESPONSE TIME: 200 ms (Time Constant)
20 times/second (Update Rate)
STABILITY: ± 0.8 psi for 12 months
APPROVALS/CERTIFICATION: Explosion proof for Class I, Division I, Groups B, C, and D. Dust-Ignition Proof for Class II and Class III, Division 1, Groups E, F, and G.
Suitable for indoor and outdoor (NEMA 4X) hazardous locations. Factory Sealed.
OUTPUT: Chart Recorder, DLS System, Digital Monitors



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IL STANDARD MODEL CONFIGURATION:

800 psi Pressure Transducers: **2088G3S22A1E5Q4**

2088G: Product Description ("Gage Pressure Transmitter")

3: Range ("0-800 psi -- 0 to 55.15 bar")

S: Output ("4-20 mA dc/Digital HART Protocol")

22: Isolating Diaphragm ("316 SST")

A: Process Connection ("1/2-14 NPT Female")

1: Conduit Thread ("1/2-14 NPT")

E5: Options ("FM Explosionproof Approval")

APPROVAL:

Dept. Supervisor : VICTOR SAET

Date: 26th May 2003

Technical Committee : ALAN MORRISON

Date: 26th May 2003