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Technical Bulletin

TDL Differential Level Transmitter

Order Worksheet

ANDERSON-NEGELE

Section 1 - Output Signal

- 1 Analog (4-20 mA) only 2 Analog w/HART

Distributor: _____

Reference PO#: _____

Tank Name: _____

Section 2 - Product Density (Specific Gravity)

A. Known SP GR = _____ B. SP GR = [_____ (kg/lit) / 1] C. SP GR = [_____ (lbs/gal) / 8.345]
(Note: If multiple products in vessel, provide data for heaviest only)

Section 3 - Vessel Height - Output #1 (Differential)

A. Determine working height above center line of sensor = _____ inches (nearest tenth)

B. Differential Level Calculation = A x Specific Gravity (Section 2)

C. Differential Output Span Calibration (URV) 20 mA at _____ inches water column

(If unable to determine working height, please submit complete vessel print)

Section 4 - Secondary Output

- 1 Top Sensor (vacuum / pressure) 2 Bottom Sensor (total system pressure)

Output #2 Full Scale Calibration (URV) 20.00 mA at Maximum working pressure = _____ inches water column
(13.56"wc = 1"Hg 27.7"wc = 1 psig 0.03937"wc = 1 mmwc 4.02"wc = 1 kPa 0.402"wc = 1 mBar)

Output #2 Zero Calibration (LRV) 4.00 mA at Minimum working pressure / maximum vacuum = [- _____] inches water column
(Factory default is -360 inches water column)

(Conversion Examples: -360.0"wc = 26.5"Hg 138.5"wc = 5 psig 415.0"wc = 15 psig 830.0"wc = 30 psig 1385.0"wc = 50 psig)

Section 5 - Sensors

Select Range: HD1 Low Range HD2 Medium Range HD3 High Range
Minimum Differential Output 50.0" water column 100.0" water column 170.0" water column
Maximum Pressure 15 psig (415.0"wc) 30 psig (830.0"wc) 50 psig (1385.0"wc)

1 Bottom (Total System Pressure)

Bottom Sensor Fitting

- 089 Anderson Flush Mount Long (71060-A3,A5,A7, A9)
- 088 Anderson Flush Mount Short (71060-A4,A6,A8)
- 004 1-1/2" Tri-Clamp
- 005 2" Tri-Clamp
- 141 Rosemount / Foxboro Sanitary Spud - Short
- 142 Rosemount / Foxboro Sanitary Spud - Long
- 150 3" ANSI 150 Flange - Flush
- 151 3" ANSI 150 Flange - 2" extension
- 152 3" ANSI 150 Flange - 4" extension
- 153 3" ANSI 150 Flange - 6" extension

2 Top (Vacuum / Pressure)

Top Sensor Fitting

- 089 Anderson Flush Mount Long (71060-A3,A5,A7, A9)
- 088 Anderson Flush Mount Short (71060-A4,A6,A8)
- 004 1-1/2" Tri-Clamp
- 005 2" Tri-Clamp
- 141 Rosemount / Foxboro Sanitary Spud - Short
- 142 Rosemount / Foxboro Sanitary Spud - Long
- 150 3" ANSI 150 Flange - Flush
- 151 3" ANSI 150 Flange - 2" extension
- 152 3" ANSI 150 Flange - 4" extension
- 153 3" ANSI 150 Flange - 6" extension

Diaphragm

- 1 - SS 316L (Standard) 2 - Hastelloy "C"

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Mounting Angle of Diaphragm

- 0- ← 1- ↑ 2- ↗

Mounting Angle of Diaphragm

- 0- ← 3- ↓ 2- ↘

Cable

- 02 - 10' 05 - 25' 10 - 50' Other _____

Cable

- 02 - 10' 05 - 25' 10 - 50' Other _____