ANDERSON-NEGELE

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Technical Bulletin

TDL Differential Level Transmitter Order Worksheet

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

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

Mounting Angle of Diaphragm
☐0- ← ☐1- ↑ ☐2-  _____

Cable
☐ 02 - 10' ☐ 05 - 25' ☐ 10 - 50' ☐Other____

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"

Mounting Angle of Diaphragm
☐0- ← ☐3- ↓ ☐2-  _____

Cable
☐ 02 - 10' ☐ 05 - 25' ☐ 10 - 50' ☐Other____