Servo Tank Gauging

Application Data Sheet

In order to specify the correct instrument for your application please complete all fields for each tank.

Completed By:

_____

Company:

_____

Tel:

_____

E-mail:

_____

Date:

_____

Notes:

_____

_____

_____

Application Details

What product is stored in the tank?

_____

What is it's density_____

What current tank gauging technology is used on this tank?

☐ Radar ☐ Servo ☐ Mechanical

☐ HTG ☐ Hybrid ☐ Magnetostrictive

☐ None ☐ Other:_____

Temperature units ☐ °C ☐ °F

Temperature min.:_____

Temperature max.:_____

Vapor pressure units ☐ PSIG ☐ BAR

Vapor pressure min.:_____

Vapor pressure max.:_____

Is there evidence of liquid turbulence or foaming on the product surface?

☐ None ☐ Turbulence ☐ Foam

What area classification is required?

☐ FM

☐ ATEX

☐ IEC Ex

☐ Other _____

☐ Non-hazardous area

Tank

What type of tank will the instrument be installed on?

☐ Cone roof

☐ Internal floating roof

☐ External floating roof

☐ Sphere

☐ Horizontal cylinder

☐ Vertical cylinder

Tank ID#:_____

Nozzle height (N):_____

Maximum fill level (F):_____

Tank shell height (T):_____

Mounting

What is the type and size of the nozzle connection?

Flange size:_____

Flange class:_____

☐ ASME ☐ DIN ☐ Other

Are there other provisions for manually hand dipping the tank?

☐ Yes ☐ No

Is an isolation valve required?

☐ Yes ☐ No

Communications Output

What primary output protocol is required?

☐ RS-485 MODBUS ☐ Mark/Space

☐ WM550 ☐ V1 ☐ TRL/2

☐ Enraf GPU Bi-Phase Mark

☐ L&J Tankway

☐ 4-20mA HART Ex d/XP

☐ 4-20mA HART Ex i/IS

☐ Other _____

What secondary output protocol is required?

Relay output ☐ 2 ☐ 4 ☐ 6

☐ RS-485 MODBUS

☐ Ex d/XP 1x 4-20mA HART

☐ Ex d/XP 2x 4-20mA HART

☐ Ex i/IS 1x 4-20mA HART

☐ Ex i/IS 2x 4-20mA HART

☐ Mark/Space

☐ WM550 ☐ V1 ☐ TRL/2

☐ Enraf GPU Bi-Phase Mark

☐ L&J Tankway

☐ Other:_____

☐ DeviceCare USB Flash Drive

☐ Other _____

Temperature Measurement

Do you require temperature measurement?

☐ None ☐ Spot ☐ Average

If Average, please complete the temperature application data sheet.

Other Measurements

Do you require other measurements?

☐ Density (Spot)

☐ Density (Profile)

☐ Density (Hybrid)

☐ Tank bottom

☐ Interface level

☐ Contact input operation

Power Source

What type and range of power source is available at the tank? ☐ AC ☐ DC

Power range (Volts):_____

Location: ☐ Tank top ☐ Tank side

Tank Side Operation and Display

What functionality is required at the tank side?

☐ Display ☐ Configuration ☐ Control

☐ Inputs ☐ Outputs ☐ Relays ☐ None

☐ Other:_____

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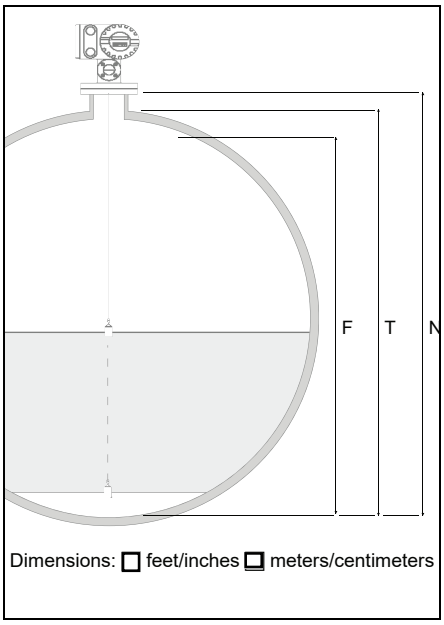
Additional Approvals & Options

- ☐ SIL
- ☐ CRN
- ☐ Weather protection cover
- ☐ Relief valve Rc3/8
- ☐ Gas purging nozzle connection Rc3/8
- ☐ Pressure gauge Rc3/8
- ☐ Cleaning nozzle connection
- ☐ Guide wire assembly
- ☐ 3-Point Calibration Certificate
- ☐ 5-Point Calibration Certificate
- ☐ 10-Point Calibration Certificate, Standard Version
- ☐ 10-Point Calibration Certificate, Maximum Performance
- ☐ NMi factory Custody Transfer Certificate
- ☐ NMi factory Custody Transfer Certificate, Max Performance
- ☐ LNE factory Custody Transfer Certificate
- ☐ LNE factory Custody Transfer Certificate, Max Performance
- ☐ PTB factory Custody Transfer Certificate
- ☐ PTB factory Custody Transfer Certificate, Max Performance
- ☐ Test/Material Certificate

Type(s) _____

_____

Example Installation



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