

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 its 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 (XP) FM (XP/I.S.)

ATEX (EEx d) ATEX (EEx d[ia])

ATEX (EEx d, Zone 0)

ATEX (EEx d[ia] Zone 0)

CSA (XP) CSA (XP/I.S.)

IP67/NEMA 4X

Is NMI Approval Required?

Yes No

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: _____

ANSI# DIN Other

Are there other provisions for manually hand dipping the tank?

Yes No

Is an isolation valve required?

Yes No

Stilling Well

Will the instrument be mounted on an existing stilling well? Yes No

Stilling well diameter: _____

Communications Output

What primary output protocol is required?

RS-485 MODBUS Mark/Space

WM550 V1 Enraf BPM

None

What secondary output protocol is required?

SPST Analog

Overfill protection

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 Indication

Is tank side indication required?

Yes No

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)

Tank bottom

Interface level

Contact input operation

Example Installation

