Temperature 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

What product is stored in the tank?

_____

Temperature units ☐ °C ☐ °F

Temperature min.:_____

Temperature max.:_____

Is temperature currently being monitored? ☐ Yes ☐ No

If yes, please provide details:

_____

_____

Pressure units ☐ PSIG ☐ BAR

Pressure min.:_____

Pressure max.:_____

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#:_____

Tank height:_____

Area Classification Required

☐ Factory Mutual

☐ ATEX

☐ IP65

Stilling Well

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

Stilling well diameter:_____

Flange

What is the type and size of the nozzle connection?

Flange size:_____

Flange class:_____

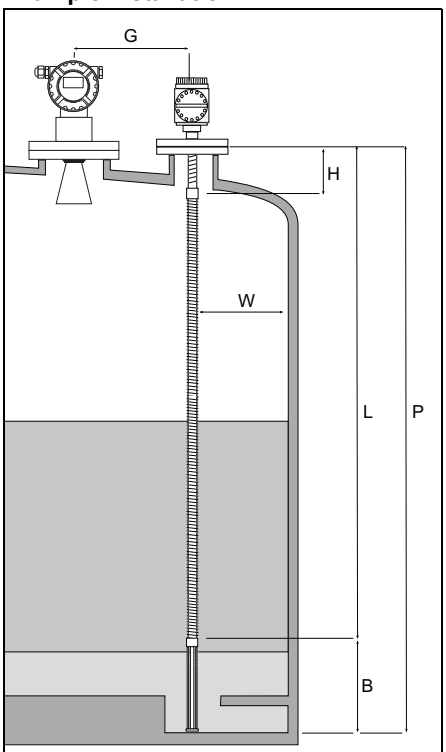
☐ ANSI# ☐ DIN ☐ JIS ☐ JPI ☐ Other

Distance from level Gauge (G):_____

Distance from flange to tank entry (H):_____

Distance from tank wall (W):_____

Example Installation



Dimensions: ☐ feet/inches ☐ meters/centimeters

Probe

Probe Height (L):_____

No. of elements required:_____

Element spacing

☐ 39" (1000 mm)

☐ 59" (1500 mm)

☐ 79" (2000 mm) - API standard

☐ 118" (3000 mm)

☐ Custom spacing and position

Details:_____

_____

Existing element type?

☐ Cu100 ☐ Cu90 ☐ Pt100 ☐ PtCu100

☐ None: No existing temperature probe

Will the tank sump be included in the range of measurement?

☐ Yes ☐ No ☐ NA

Sump depth (S):_____

Do you require water bottom measurement? ☐ Yes ☐ No

What distance (B) is required?

☐ 3 feet (1 meter)

☐ 6 feet (2 meters)

☐ NA

Total probe height (P) equals distance from lower flange face to tank bottom:_____

Note! P=L+B (If B=0, then P=L)

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