

# 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**

- FM
- ATEX
- Weather proof, IP65 NEMA4X (4539 only)

Temperature Class Selection for 4532 ATC:

- T6; process temp max 60°C/140°F
- T5; process temp max 80°C/176°F (N/A for FM approval)
- T4; process temp max 100°C/212°F

**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: \_\_\_\_\_

- ASME  DIN  JIS  JPI  Other

Distance from level Gauge (G): \_\_\_\_\_

Distance from flange to tank entry (H): \_\_\_\_\_

Distance from tank wall (W): \_\_\_\_\_

**Probe**

Probe Height (L): \_\_\_\_\_

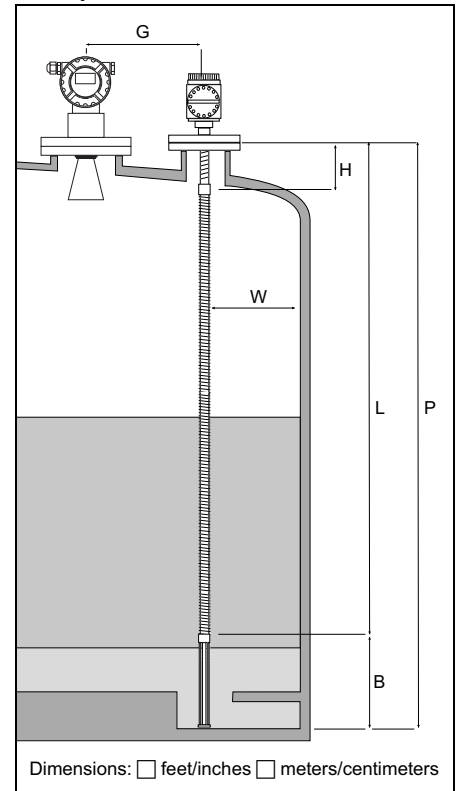
No. of elements required: \_\_\_\_\_

Element spacing

- 39" (1000 mm)
- 59" (1500 mm)
- 79" (2000 mm) - API standard
- 118" (3000 mm)
- Custom spacing and position

Details: \_\_\_\_\_  
 \_\_\_\_\_

**Example Installation**



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)