

Project: \_\_\_\_\_ Date: \_\_\_\_\_ Quote No.: \_\_\_\_\_

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Company: \_\_\_\_\_ Email: \_\_\_\_\_

Title: \_\_\_\_\_ End User: \_\_\_\_\_

### Application Data

Provide vessel construction drawings or sketch the vessel on reverse side of page.

Measurement Function: \_\_\_\_\_

Process Function: \_\_\_\_\_

Process Material: \_\_\_\_\_

Dielectric Constant: \_\_\_\_\_

Specific Gravity: \_\_\_\_\_

% Concentration: \_\_\_\_\_

Vapor Material: \_\_\_\_\_

Fill Method: \_\_\_\_\_  
(Screw, belt, pump, etc.)

Measures While Filling: \_\_\_\_\_

Drain Method: \_\_\_\_\_

Vessel Material of Construction: \_\_\_\_\_

Liner Material: \_\_\_\_\_

  

Conditions	Temp:	Pressure:
Minimum:	_____	_____
Maximum:	_____	_____
Normal:	_____	_____

Select all that apply:

- Process/media will change     Corrosive
- Tank open to atmosphere     Sanitary Required

#### SOLIDS

Maximum Suspended Dust:  None  Light  Dense

Particle Diameter: Min. \_\_\_\_\_ Max. \_\_\_\_\_ Avg. \_\_\_\_\_

Normal Suspended Dust: Min. \_\_\_\_\_ Max. \_\_\_\_\_ Avg. \_\_\_\_\_

Solids Average Size: \_\_\_\_\_

Repose Angle: \_\_\_\_\_

Material Bulk Density: \_\_\_\_\_ lb/ft<sup>3</sup>

Moisture Content: \_\_\_\_\_ % wt

Dielectric Constant: \_\_\_\_\_

Flows Easily?  Yes  No

Severe Ratholing?  Yes  No

#### LIQUIDS

Surface:  Still  Agitated

Foam/Depth:  None  Light  Dense Dep: \_\_\_\_\_

Viscosity:  Yes  No

Buildup:  Yes  No    How much? \_\_\_\_\_

Is liquid grounded to tank?  Yes  No

Is liquid conductive?  Yes  No

#### INTERFACE

Lower Fluid Material: \_\_\_\_\_

Lower Fluid Specific Gravity: \_\_\_\_\_

Lower Fluid Dielectric Constant: \_\_\_\_\_

### System Requirements

Accuracy: \_\_\_\_\_ % Level

Supply Power: Voltz \_\_\_\_\_ Hertz \_\_\_\_\_

Required Wetted Sensor Material: \_\_\_\_\_

Sensor Mount: \_\_\_\_\_

Housing Rating For: Transmitter \_\_\_\_\_ Sensor \_\_\_\_\_

Remote Distance: \_\_\_\_\_  
(sensor to transmitter)

Sensor Tag No.: \_\_\_\_\_

Transmitter Tag No.: \_\_\_\_\_

### Exterior Environment

Temperature	At Sensor	At Transmitter
Minimum:	_____	_____
Maximum:	_____	_____

Select all that apply:

- High Humidity     Indoors
- Corrosive     Outdoors
- High Vibration

Hazardous Area?  Yes  No

Classification: \_\_\_\_\_

# Level Fluctuation Detail

Can level be changed?  Yes  No

How? \_\_\_\_\_

Distance between mounting point and 0% level: \_\_\_\_\_

Distance between 0% and 100% level: \_\_\_\_\_

Switchpoint Required?  Yes  No

Number of Points: \_\_\_\_\_

Contact Type: \_\_\_\_\_

Select all that apply:  Time Delay  Pump Control  
 PID Control  Differential Control

Transmitter Outputs:  Analog  Digital

Probe Angle Required?  Yes  No

Linearization Required?  Yes  No

If yes, complete the following:

Vessel Style/Orientation: \_\_\_\_\_

STRAPPING TABLE

Pt	Ht	Vol
1		
2		
3		
4		
5		

# Vessel Sketch & Dimension

Provide one Data Sheet per vessel type.

Provide either vessel construction drawings or a sketch with dimensions and notations of drain, fill, and sensor locations; installation obstructions (i.e. overhead clearance); and other details such as fill points, set points, agitators, heater coils, or braces.

# of Vessel: \_\_\_\_\_ Vessel I.D.: \_\_\_\_\_ Sensor Tag No.: \_\_\_\_\_ Transmitter Tag No.: \_\_\_\_\_

