**Application Data Sheet** | Date: _____

# Refining: Continuous Level

Company Name: _____ Customer Contact Name: _____

Customer Address: _____ Phone and Fax: _____

City, State, Zip: _____ Cell: _____

Sales Person/Rep.: _____ Email: _____

Representative Firm: _____ RFQ (request for quotation): _____

Process Name/Description: _____ Tag Number: _____

Process Material*: _____ Dielectric Constant: _____

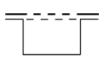
*What is the pour point? _____ Specific Gravity: _____ ○ °F ○ °C

## Process Information

1. Process Temperature Range: Min: _____ Max: _____ ○ °F ○ °C
2. Process Pressure Range: Min: _____ Max: _____ ○ psig ○ bar
3. Area Classification: ○ General Purpose ○ Class 1 Div. 1 ○ Class 1 Div. 2
4. Liquid Buildup on Vessel Walls: ○ No ○ Yes – Thickness: _____ ○ in ○ mm ○ other _____
5. Agitation/Turbulent Vessel: ○ No ○ Yes – RPM, if known: _____
6. Liquid surface condition – does bubbling and/or sublimation occur? _____
7. Foam Layer Height: _____ ○ in ○ mm ○ other _____
8. Must measure foam height? ○ No ○ Yes - type of foam: ○ Water-based ○ Hydrocarbon
9. Interface: ○ No ○ Yes Upper dK: _____ Lower dK: _____
10. Fully Submerged Probe: ○ No ○ Yes - FX81 can be used.
11. Is the process heat-traced? ○ No ○ Yes - type: ○ 150# Steam ○ 450# Steam ○ Electric ○ Other
12. Will level change be faster than 3 ft/min? ○ No ○ Yes

## Vessel

Please provide a detailed drawing/sketch of the vessel on the reverse side of the form.

13. Vessel Height: _____ ○ in ○ ft ○ other _____
14. Vessel Diameter/Width: _____ ○ in ○ ft ○ other _____
15. Shape of Vessel: ○  ○  ○  ○  ○  ○ Other: Please Sketch
16. Shape of Vessel Bottom: ○ Flat ○ Dished
17. Vessel Material of Construction: ○ 316 SS ○ Carbon Steel ○ Glass-lined ○ Plastic ○ Other
18. Is the vessel lined? ○ No ○ Yes – material: _____
19. Where is the process connection located? _____
20. Size/Type of Process Connection: _____
21. Is the guided microwave radar probe contained in an external chamber? ○ No ○ Yes (Recommended min. diameter is 3")
22. What is the pipe schedule? _____
23. Obstructions in the Vessel: ○ No ○ Yes what is the obstruction? _____
24. Vessel Wall Surface Finish: _____

## Sensor/Probe

25. Preferred/Specified Probe Material: _____

26. Probe Type: ○ Cable ○ Rod ○ Coaxial (Not recommended in bridles or applications prone to buildup)

27. Is overhead clearance adequate for installation of gauge and antenna system? ○ Yes ○ No

28. Sensor Type: ○ 2-wire ○ 4-wire ○ Other _____

29. Communication Protocol: ○ 4…20mA/HART ○ Fieldbus – Host system: _____

30. Output Settings: ○ Standard/4…20mA ○ Other _____

31. Failure Mode upon Loss of Level Signal: ○ 22mA ○ 3.6mA ○ Hold Last Value

32. Preferred Sensor Transmitter: _____

33. Power Input: _____

34. Display: ○ Remote ○ Integral ○ None

35. Display Value: ○ Distance ○ Level ○ Percent ○ Other _____

36. Relay: ○ No ○ Yes – quantity: _____

## Vessel Data

Please answer the questions related to the vessel that most closely represents your application.

### Bridle Application

37. Distance from Bridle Flange to 100% Line (A): _____

38. Distance from Bridle Flange to 0% Line (B): _____

39. Distance from Tap to Tap (C): _____

40. Distance from Bridle Flange to Top Tap (D): _____

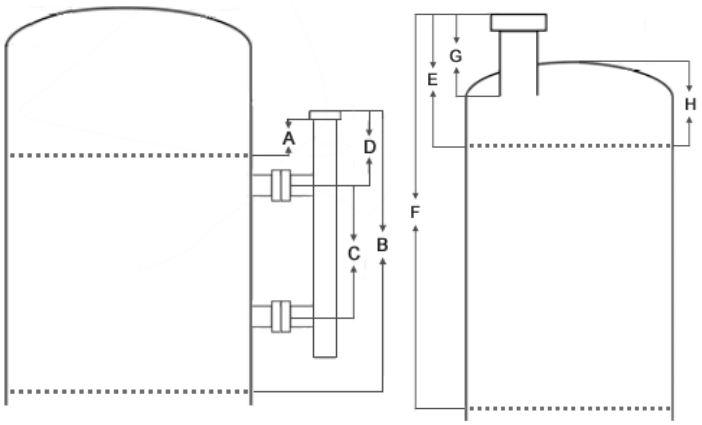
### Tank Application

41. Distance from Flange to 100% Line (E): _____

42. Distance from Flange to 0% Line (F): _____

43. Height of the Mounting Nozzle (G): _____

44. Distance from Vessel Top to 100% Line (H): _____




## Application or Vessel Sketch

38174-US-190718