

Date: _____

Density

Company Name:	Customer Contact Name:
Customer Address:	Phone and Fax:
City, State, Zip:	Cell Phone:
Sales Person/Rep.:	Email:
Representative Firm:	Tag Number:

Required Information

1. What does the customer require from the measurement?

2. Description/Name: _____

Enter information using either the Solution Application Method (minimum and maximum density values)

OR the Slurry Application Method (enter carrier and solids density values along with desired solids % range)

Solution Application – Density Values

3. Density Range: 4 mA= _____(min) 20 mA _____(max) kg/m³ SPG Other: _____

--OR-- lb/ft³ API

Slurry Application – Solids % Output % solids weight/volume

4. Carrier Density: _____ SPG kg/m³ lb/ft³

5. Solids Density: _____ SPG kg/m³ lb/ft³

6. Solids Measurement Range: 4 mA= _____ (e.g. 0%) 20 mA= _____ (e.g. 60%)

Pipe Information (Required for Every Application)

Pipe Wall Dimensions				in	mm
	Material	Density	Units	Thickness	
Pipe					
Insulation					
Liner					

7. Does process build up on vessel wall Yes* No *If yes how much? _____ in mm

8. What is the typical operating point? _____

9. Nominal Pipe Size: _____ and Schedule: _____ or I.D.: _____ in mm

10. Triangle Rankings (in order of importance, 1 is most important): Fine Resolution: _____

Fast Response: _____

Low Radiation: _____

THE ABOVE INFORMATION MUST BE PROVIDED FOR RELIABLE SIZING.

Additional Information

11. Process Temperature: Max: _____ Operating: _____ °F °C
12. Process Pressure: Max: _____ Operating: _____ psig bar
13. Do either of the above parameters change during operation? Yes* No
- *If yes what is the operating range? Temperature: _____ to _____ °F °C
Pressure: _____ to _____ psig bar
14. Is this measurement used for: Indication Control SIS/Safety Shutdown

Electronics

15. Area Classification: _____ (Class/Zone/Division) or General Purpose
16. Ambient Temperature Range: Min: _____ Max: _____ °F °C
17. Input Power: 24V AC 110V AC 220V AC
18. Output: 4 ... 20 mA/HART Foundation Fieldbus Relay
19. Do you want the gauge to provide intrinsically safe output? Yes No

Radiation Information

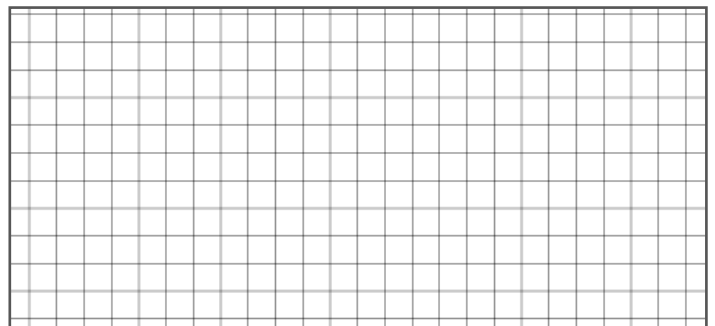
20. Maximum Field Near Source Holder (5 mR @ 12 in Standard): _____ mR uSv @ _____ in mm
21. Will the detector be exposed to external X-ray radiation during operation? Yes No
22. Does the customer have a license to possess/use radioactive material? Yes No

Special Applications

23. Do you want the process output referenced to a fixed reference temperature? Yes* No
- *If yes, Reference Temperature: _____ °F °C Process Temperature Coefficient: _____ °F °C
24. Do you want the process output to be mass-flow? Yes* No
- *If yes:
- | | | | | |
|-----------------------------|-------------|------------|----------|---------|
| Type: | Dry Solids | Total Mass | | |
| Flowmeter Output: | Current | Frequency | Voltage | |
| Flowmeter Calibrated Range: | 0% signal | _____ = | ___ flow | gpm lpm |
| | 100% signal | _____ = | ___ flow | gpm lpm |

Additional Information

Sketch Vessel or Application Here



If vessel drawings are available, please provide.