

Application Data Sheet—Nuclear

Company Name: Customer Address: City, State, Zip: Cell Phone: Sales Person/Rep.: Representative Firm: Tag Number: Required Information 1. What does the customer require from the measurement? Solid Liquid 3. Measurement Type: Interface Continuous Level High Point Level 4. What is the density of the process material? SG kg/m² lib/f² @ STP operating 5. What is the upper phase density? SG kg/m³ lib/f² @ STP operating 6. Does process build up on vessel wall: Yes* No "If yes how much? in mm 7. What type of process? Continuous Batch 8. What is the normal operating level? 9. Shape of Vessel: Vertical Horizontal Other: Vessel Drawing Required of resser drawing is available, phase provise and/or starch on reverse.) Source Side Thickness Vessel Dimensions: in mm 10. Vessel Dimensions: in mm 11. Vessel Dimensions: in mm 12. Measurement Span: Source Side Thickness Vessel Wall Density-Line Steen, vaster, etc. Jacket Wall Density-Line Steen, water, etc. Jacket Wall Steen, water, etc.		Date:
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4. What is the density of the process material?	Process Description/Name: Solid	Liquid
5. What is the upper phase density? SG kg/m³ lb/ft³ @ STP operating 6. Does process build up on vessel wall: Yes* No "If yes how much? in mm 7. What type of process?	Measurement Type: Interface Continuous Level	High Point Level Low Point Level
6. Does process build up on vessel wall: Yes* No *If yes how much? in mm 7. What type of process? 8. What is the normal operating level? 9. Shape of Vessel: Vertical Horizontal Other: Vessel Drawing Required (if vessel drawing is available, please provide and/or sketch on reverse.) 10. Vessel Dimensions: in mm 11. Vessel Inner Diameter or Width:	4. What is the density of the process material?	SG kg/m³ lb/ft³ @ STP operating
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Jacket Wall Steel, iron, etc. Wall ✓ Jacket	Liner	
Jacket Wall steel, iron, etc. → Jacket	Thermal Media	steam, water, etc.
10. Triangle Dankings (in audeu of importance of in react important). Fine Decelution	Jacket Wall	steel, iron, etc.
	40. Triangle Doublings (in audious films and	W. Fine Beechwiter.
13. Triangle Rankings (in order of importance, 1 is most important): Fine Resolution: Fast Response:	13. mangie nankings (in order of importance, i is most importan	
Low Radiation:		

THE ABOVE INFORMATION MUST BE PROVIDED FOR RELIABLE SIZING.



Continuous and Point Level Nuclear (Continued)

Additional Application Information	
14. Process Temp: Max: Operating: °F °C	
15. Pressure: Max: Operating: psig ba	ar
16. Do any of the above parameters change during operation? Yes*	No
*If yes, which parameter(s) and what are their ranges?	
17. Does the vessel inner diameter or wall thickness change along the me	easurement length? Yes* No
*If yes please describe variations in Additional Information section	
18. Describe any obstructions in the vessel that exist within path of radia	tion.
19. Does product filling the vessel enter the measurement path?	Yes No
20. Does product leaving the vessel vortex? Yes*	No
*If yes, is there a vortex breaker? Yes	No
21. Does product filling the vessel create a "cone"? Yes	No
22. Is this measurement used for: Indication Control SIS/Sat	fety Shutdown
Electronics	
23. Area Classification: (Class/Zone/Division) or	
23. Aled Oldssilledion (Oldss/2016/Division)	General Purpose
24. Ambient Temperature Range: Min: Max:	General Purpose °F °C
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24. Ambient Temperature Range: Min: Max:	•
24. Ambient Temperature Range: Min: Max: 25. Input Power: 24V DC 110V AC 220V AC	°F °C
 24. Ambient Temperature Range: Min: Max: 25. Input Power: 24V DC 110V AC 220V AC 26. Output: 4 20 mA/HART Foundation Fieldbus 	°F °C
 24. Ambient Temperature Range: Min: Max: 25. Input Power: 24V DC 110V AC 220V AC 26. Output: 4 20 mA/HART Foundation Fieldbus 27. Do you want the gauge to provide intrinsically safe output? Yes Radiation Information	°F °C Relay No
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24. Ambient Temperature Range: Min: Max: 25. Input Power: 24V DC 110V AC 220V AC 26. Output: 4 20 mA/HART Foundation Fieldbus 27. Do you want the gauge to provide intrinsically safe output? Yes Radiation Information 28. Maximum Field Near Source Holder (5 mR @ 12 in Standard): 29. Will the detector be exposed to external X-ray radiation during operations.	°F °C Relay No mR uSv @ in mm ion? Yes No
24. Ambient Temperature Range: Min: Max: 25. Input Power: 24V DC 110V AC 220V AC 26. Output: 4 20 mA/HART Foundation Fieldbus 27. Do you want the gauge to provide intrinsically safe output? Yes Radiation Information 28. Maximum Field Near Source Holder (5 mR @ 12 in Standard): 29. Will the detector be exposed to external X-ray radiation during operations. Does the customer have a license to possess/use radioactive material	°F °C Relay No mR uSv @ in mm ion? Yes No al? Yes No
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