

Application Data Sheet

Nuclear

Date: ___

Continous Level and Limit level

С	ompany Name:				Custor	Customer Contact Name:					
С	ustomer Address:					Phone and Fax:					
С	ty, State, Zip:					Cell Phone:					
S	Sales Person/Rep.:					Email:					
Ρ	Project Number:					Tag Number:					
Pr	ocess details										
1.	Process descri	iption/Name:			Liquid	Solid					
2.	Density of the	process materi	al?		SG	kg/m³	lb/ft ³				
3.	Process tempe	erature: Ma	IX:	oper	ating:		°C	°F			
4.	Process press	ure: Ma	IX:	oper	ating:		bar	psig			
5.	Does any of th	e above param	eters change di	uring operation	n?	Yes*	No				
	*If yes, which p	parameter(s) an	d what are their	ranges?							
6.	Density of stea	am over the pro	cess?	0		SG	kg/m ³	lb/ft ³ at	°C	°F	
	,			and		bar	psig	N/A			
7.	Does buildup f	orm on the wal	?	Yes*	No						
	*If yes, how mi	uch?		mm	in						
A	pplication deta	ils									
8.	Application:	Inte	erface* Cor	ntinous level	Limit le	vel Min.	Limit level Ma	X.			
	*If interface, up	oper phase den	sity:		SG	kg/m³	lb/ft ³				
9.	Vessel shape:	Ve	rtical Horizo	ontal Coni	 ical Other	Please encl	lose drawing)				
				$\neg \in$	7						
		Ĺ			/						
		Detai	ls of dimensions (mm or inc			7				
	Inner	Inner diameter (ID) of the vessel					-				
	Measuring range* (4 20 mA) *Please mark range min/max in the drawing Normal working range of the measurement % from measurement							_iner			
						- I.D	▶	Thermal Me	ədia		
				% fr	rom measuring ran	ge					
		Wall thickness on source side	Wall thickness on detector side	Material	Density	Density Unit		\mathbf{O}	→→ Ins	ulation	
	Vessel wall								\mathcal{V}		
	Insulation							Wall -			
	Liner						1	-•	Jacket		
	Thermal media						1				
	Cooling jacket						-				
	5,	1					1				



Nuclear

(Continued)

10.	Does the vessel inner diameter change along the measurement length?	Yes	No
11.	Does the wall thickness change along the measurement length?	Yes	No
12.	Is the vessel covered?	Yes*	No
	*If yes, does the cover extend along the measuring range?	Yes	No
13.	Are drawings of the vessel available?	Yes*	No
	*If yes, please enclose.		
14.	Are there installations in the vessel (agitator, struts, etc.)?	Yes*	No
	*If yes, what kind of installations?		
15.	Is the filling stream in the beam path between source and sensor?	Yes	No
16.	Does the medium leave the container as a whirlpool?	Yes	No
17.	Does the medium generate a pouring cone in the vessel?	Yes	No

Electronics

18.	Area Classification:			(Class/Zone/Division) or			Without		
19.	. Ambient temperature:		Min:		Max:			°C	°F
20.	Input power:		24 VDC	110 VAC		220 VAC			
21.	Output:	Dutput: a) 4 20 mA/HAR		Foundation Fieldbus		Profibus PA	Relay	SIL	
		b)	intrinsically safe (IS)	Ex	d		Without		
22.	Display:		External	Integrated		Without			
Information on the control area									

- 23. Control area for source holders: _____ μSv mR at _____ mm inch
- 24. Is the sensor exposed to external gamma radiation during operation? Yes No
- 25. Does the end customer already have a permit for handling gamma radiation? Yes No
- 26. Rate the following points according to their importance 1-4 (1 = important, 4 = unimportant):
- Best measurement resolution
 Fast response time
 Smallest source
 Lowest price

Additional information