

Company

Street/P.O.Box

City

Postal code

Country / State

Contact Name

E-Mail

Phone

Date

Project

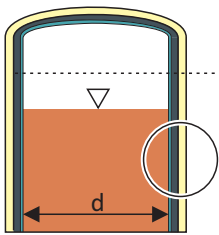
**Process Specifications**

Measuring tag

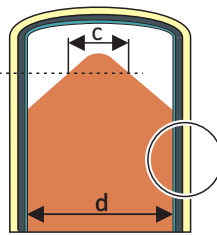
Application/Process

**Vessel Specification**

- Flat fluid level in vertical cylindrical vessel
- Bulk cone in vertical cylindrical vessel
- other (please attach drawing)



Point of measurement



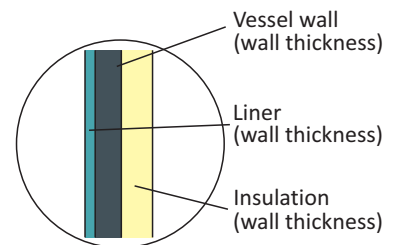
Measuring range

mm  inch

Inner diameter (d) at point of measurement

Bulk cone diameter (c)

	Thickness <input type="checkbox"/> mm <input type="checkbox"/> inch	Material	Density g/cm <sup>3</sup>
Vessel wall	<input type="text"/>	<input type="text"/>	<input type="text"/>
Liner wall	<input type="text"/>	<input type="text"/>	<input type="text"/>
Insulation wall	<input type="text"/>	<input type="text"/>	<input type="text"/>



Others (refractory layers, cladding, ...)

Obstructions (agitator, collar, ...)  No  Yes if yes, please add drawing

Build Ups  No  Yes if yes, approximate thickness and density

Switching alarm function  high  low

Are there additional radiometric measurements close by?

No  Yes if yes, please add location plan

**Product**

<input type="radio"/> fluid <input type="radio"/> solid	Unit (if other, please specify)	normal	min.	max.	Name
Product/Bulk density	g/cm <sup>3</sup> <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Gas, foam, second fluid (if any)	g/cm <sup>3</sup> <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	g/cm <sup>3</sup> <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Vessel pressure	bar <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Product temperature	°C <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

**Instrumentation**

Response time (s)

min.                      max.                      Unit  
(if other, please specify)

Ambient temperature at measuring point  min.  max.  °C

Power supply         120V AC     240V AC     24V AC/DC

Exproof requested     No     Yes    Type

Process signal:         4 ... 20 mA     HART     Relay     OFF     PA    (FF = Foundation Fieldbus, PA = Profibus PA)

Functional safety:      none     SIL 2     SIL 3

**Retrofit (with existing source)**

Original source date

Original source activity   Mbq     mCi

Type of isotope

Radiation angle of shielding (degree)

Supplier of source

Please add drawing or at least a sketch of the existing installation with side and top view.

**Comments / Special Requirements**

The products that Berthold Technologies offers are custom engineered systems. There are multiple family models and component options that are able to be selected based on the customer's process parameters. Also nuclear source sizes are calculated and selected for each individual system. These inputs are necessary to engineer a system that will meet the required needs and will function properly. Inaccuracies or omissions of the inputs could have a negative effect on the operation of the measurement. Berthold cannot be held accountable for the performance of their equipment if initial specifications were falsified or not presented fully.