

Company

Street/P.O.Box

City

Postal code

Country / State

Contact Name

E-Mail

Phone

Date

Project

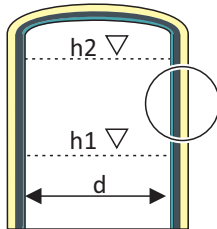
Process Specifications

Measuring tag

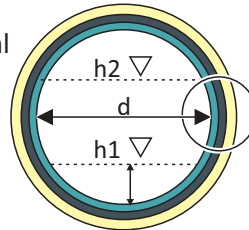
Application/Process

Vessel Specification

Vertical



Horizontal



other (conical, conical-cylindrical, half conical, ...) **please attach drawing**

Measuring range

mm inch

Product level at 0% (h1)

Product level at 100% (h2)

Inner diameter (d)

Thickness

Material

Density

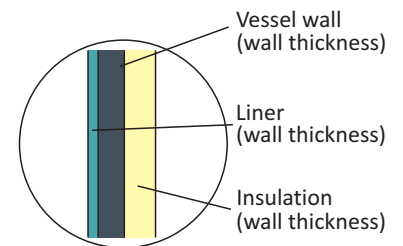
mm inch

g/cm³

Vessel wall

Liner wall

Insulation wall



Others (refractory layers, cladding, ...)

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

Build Ups No Yes if yes, approximate thickness and density

Are there additional radiometric measurements close by?

No Yes if yes, please add location plan

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

Instrumentation					
		min.	max.	Unit (if other, please specify)	
Ambient temperature at measuring point				°C	
Power supply	<input type="radio"/> 90-250V AC/DC	<input type="radio"/> 24V AC/DC			
Exproof requested	<input type="radio"/> No	<input type="radio"/> Yes	Type		
Process signal:	<input type="radio"/> 4 ... 20 mA	<input type="radio"/> HART	<input type="radio"/> FF	<input type="radio"/> PA	(FF = Foundation Fieldbus, PA = Profibus PA)
Functional safety:	<input type="radio"/> none	<input type="radio"/> SIL 2	<input type="radio"/> SIL 3		

Retrofit (with existing source)	
Original source date	
Original source activity	Unit (if other, please specify) 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.