



Radars Transmitter Level Application Questionnaire

(Please fill out front and back.)

REFERENCE INFORMATION		Application same as previous M#: _____	
Customer/Company: _____	SIC: _____	signature _____	
City, State, Country: _____	Date: _____		
Contact/Title: _____			
Phone: _____	Fax: _____	FOR OFFICE USE:	
E-mail: _____			
RFQ Number: _____	P. O. Number: _____		
Tag Number(s): _____			
Submitted by: Rep Agency and Salesperson _____		Rep Code: _____	

R82 MODEL NUMBER		RX5 MODEL NUMBER																								
R	8	2	—	5			A	—	0			Quantity	R		5	—	5			0	A	—			0	Quantity
Housing: <input type="checkbox"/> Aluminum <input type="checkbox"/> Lexan				Antenna Transmitter																						
Antenna: <input type="checkbox"/> Tefzel <input type="checkbox"/> Polypropylene																										

PROCESS DATA

Process Name/Description: _____

Process Media: _____

Media Constants: Dielectric Constant: _____ Conductivity: _____ (μ siemen/cm) Varies? No Yes, from _____ to _____

Liquid: % Concentration _____ Slurry % Solids _____

Process Temperature: AMB _____ min. _____ max. ° F ° C Other

Process Pressure: ATMOS _____ min. _____ max. PSIG Bar KPA Other

Temperature at Instrument: AMB _____ min. _____ max. ° F ° C Other

Will media coat antenna? Yes No

Environment: Normal Corrosive Salt Flood

Agency: FM CSA Area Classification: General Purpose (Nema 4X) Hazardous: Cl _____ Div _____ Group _____

ATEX EEx Hazardous Area Design: Explosion-proof Intrinsically Safe Nonincendive Other

Required Materials of Construction: _____

Tank Type: Vertical Cylindrical Horizontal Cylindrical Sphere Sump/Pit (covered) Other _____

Tank Size: Height _____ Width _____ Diameter _____ Unit of Measure _____

Tank Material of Construction: Metal Plastic Concrete Lined: Yes No Coated: Yes No Other _____

Tank Top: Flat Horizontal Cylinder Dome Irregular Non-metallic

Tank Bottom: Flat Dish Cone Other _____

Process Connection: Threaded _____ NPT BSP Flange (size/type) _____

Distance to Sidewall _____

Nozzle: Height _____ (Include any amount that extends into vessel) Diameter _____ Material _____

Stillwell (metal only): Yes No Inside Diameter _____

Type of Filling: Top Bottom Side (At what level? _____)

Agitation: Yes No During Filling During Emptying Between Fill and Empty

Turbulence: None Light Medium Heavy

Mixer: Number of Blades _____ Blade Size _____ Number of Stages _____ Height of Each Stage _____ RPM _____

Rate of Change (Inches (mm)/minute): <5(13) 5-20(13-50) 20-60(50-150) >60(150)

Foam: None Light Medium Heavy Maximum thickness of foam layer _____

Does liquid boil and/or flash: Yes No

Other Objects in Vessel: Yes No _____ (Include sketch on back.)

Interface Dielectric of second material: _____

PERFORMANCE	High Level Shutdown/Overfill Protection
Measurement requirement (with respect to the bottom of the vessel):	Special consideration is necessary in any application for High Level Shutdown/Overfill protection. To ensure proper measurement, Consult Factory.
What is the maximum level height of the material?: _____ Unit of Measure: _____	
What is the minimum level height of the material?: _____ Unit of Measure: _____	
The typical operating level is _____ Unit of Measure: _____	
Accuracy Required:	
During filling: _____ % During emptying: _____ %	
When level is stationary: _____ %	
When level is stationary and agitated: _____ %	
BULLETIN: 58-340.2	

FIGURE 1 - Tank Top

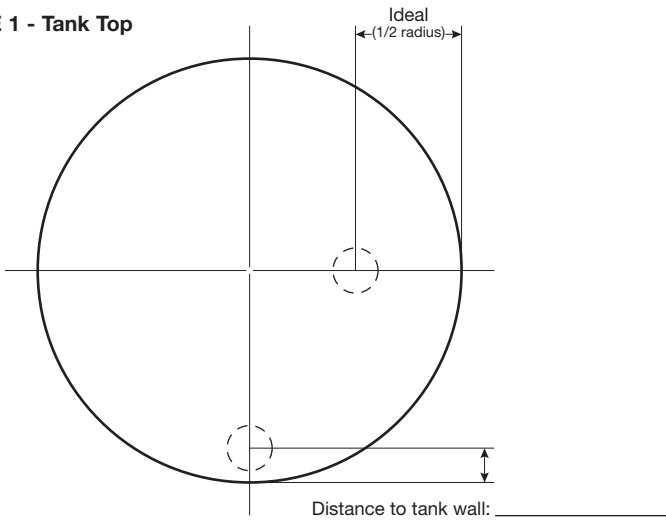


FIGURE 2

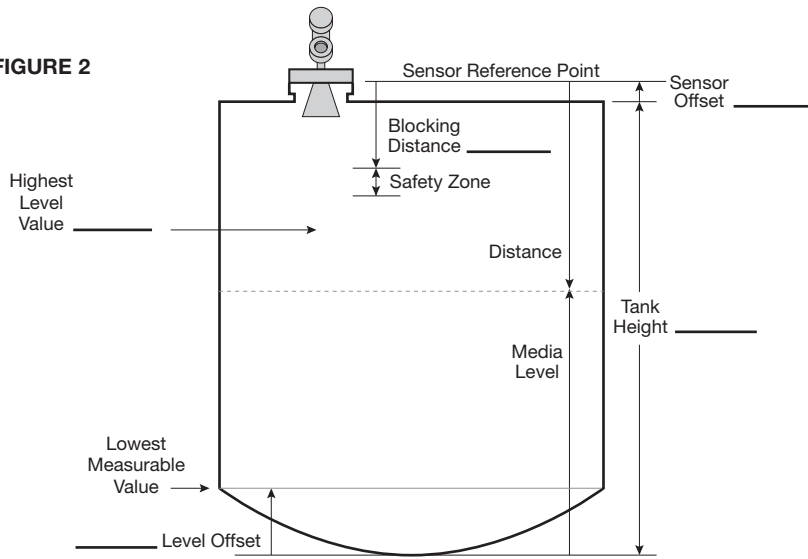
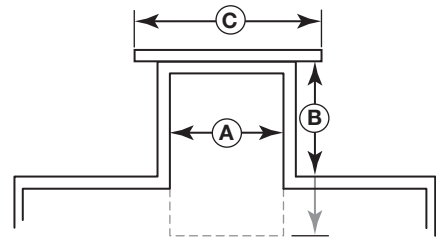


FIGURE 3 - NOZZLES



- (A) = Diameter _____
- (B) = Length _____
- (C) = Mounting _____

NOTES: R82

1. End of antenna should never be recessed more than 2x the nozzle diameter

NOTES: RX5

1. Minimum 2" diameter
2. 2" or 3" diameter: maximum length 12"
3. 4" diameter: maximum length 15"

**Show location and relative size of all false targets (Figures 1 & 2)
Mixing blades: sketch top and side view**

