



# Eclipse Guided Wave Radar Level Application Questionnaire

(Please fill out front and back.)

**REFERENCE INFORMATION**

Customer/Company: \_\_\_\_\_  
 City, State, Country: \_\_\_\_\_ SIC: \_\_\_\_\_ Date: \_\_\_\_\_  
 Contact/Title: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_  
 RFQ Number: \_\_\_\_\_ P. O. Number: \_\_\_\_\_  
 Tag Number(s): \_\_\_\_\_  
 Submitted by: Rep Agency and Salesperson \_\_\_\_\_ Rep Code: \_\_\_\_\_

FOR OFFICE USE:

**INSTRUMENT**

Model Number: Electronics 7 0 5 — 5       —            Quantity: \_\_\_\_\_

Sensor/Probe 7     —             —      

*When Probe Models 7XB, 7XF, 7XJ, 7X1, 7X2, 7X5, and 7X7 are ordered, Figures 1 & 4 on back must be completed. Torque tube replacements must confirm flange dimensions on back (Figure 2).*

**PROCESS DATA**

Process Name/Description: \_\_\_\_\_  
 Process Media: \_\_\_\_\_  
 Steam present:  Yes  No If yes, use Aegis PF128 O-ring or 7XS steam probe  
 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  
 Media Constants: Dielectric Constant: \_\_\_\_\_ Conductivity: \_\_\_\_\_ (µ siemen/cm) Varies?  No  Yes, from \_\_\_\_\_ to \_\_\_\_\_  
 Interface Dielectric of lower material: \_\_\_\_\_ Emulsion Layer:  No  Yes (If yes, thickness: \_\_\_\_\_)  
 Viscosity: \_\_\_\_\_ Centipoise @ Temperature \_\_\_\_\_ °F  °C  
 Will media coat probe?  No  Yes:  Film or  Bridging  Solids % Moisture: \_\_\_\_\_ Bulk Density: \_\_\_\_\_  
 Environment:  Normal  Corrosive  Salt  Flood Maximum Viscosity: \_\_\_\_\_ centipoise  
 Agency:  FM  CSA Area Classification:  General Purpose (Nema 4X)  Hazardous: Cl \_\_\_\_\_ Div \_\_\_\_\_ Group \_\_\_\_\_  
 ATEX EEx Hazardous Area Design:  Explosion-proof  Intrinsically Safe  Nonincendive  SIL 2  Other  
 Remote Instrument (if applicable): \_\_\_\_\_  
 Required Materials of Construction: \_\_\_\_\_  
 Vessel Type:  Vertical Cylindrical  Horizontal Cylindrical  Sphere  Sump/Pit  O.C.F.  Other \_\_\_\_\_  
 Vessel Size: Height \_\_\_\_\_ Width \_\_\_\_\_ Diameter \_\_\_\_\_ Unit of Measure \_\_\_\_\_  
 Tank Material of Construction:  Metal Lined:  Yes  No Coated:  Yes  No  Plastic  Concrete  
 Type of Filling:  Top  Bottom  Side (At what level? \_\_\_\_\_)  
 Liquid Surface:  Calm  Moderate Turbulence  Vortex  Flowing Foam Present:  Yes  No  
 Does liquid boil and/or flash:  Yes  No  
 Agitation:  No  Yes  During Filling  During Emptying  Between Fill and Empty # and Size of Blades \_\_\_\_\_ RPM \_\_\_\_\_  
 Other Objects in Vessel:  No  Yes \_\_\_\_\_ (Include sketch on back.)  
 Minimum distance from probe rod to any metallic object (i.e., nozzle, tank wall, ladder, etc.): \_\_\_\_\_  
 Foundation Fieldbus Host System: \_\_\_\_\_

**PERFORMANCE**

Measurement requirement (with respect to the bottom of the vessel):  
 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: \_\_\_\_\_ %

**High Level Shutdown/Overfill Protection**

Special consideration is necessary in any application for High Level Shutdown/Overfill protection. To ensure proper measurement, use the 7XR or 7XD probe, or install all other probes so the maximum overfill level is a minimum of 6" (150mm) below the process connection. This may include utilizing a nozzle or spool piece to raise the probe. Consult factory for further information.

