

## Guided Wave Radar (Interface) Application Questionnaire

### Customer information

Contact: \_\_\_\_\_ Prepared By: \_\_\_\_\_  
 Company: \_\_\_\_\_ Date: \_\_\_\_\_  
 Address: \_\_\_\_\_ Notes on the Application: \_\_\_\_\_  
 City: \_\_\_\_\_ Country: \_\_\_\_\_  
 Zip/Postal Code: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_  
 E-mail: \_\_\_\_\_ Fax: ( ) \_\_\_\_\_

**Tank/Vessel Information** (supply sketch where possible)  Sketch attached

<b>Tank top:</b>	<b>Tank bottom:</b>	<b>Mounting location:</b>	<b>Tank dimensions:</b>
<input type="checkbox"/> Open	<input type="checkbox"/> Sloped	<input type="checkbox"/> Top mount	Height: _____ m/ft
<input type="checkbox"/> Flat	<input type="checkbox"/> Flat	<input type="checkbox"/> Thread mount	Diameter: _____ m/ft
<input type="checkbox"/> Conical	<input type="checkbox"/> Conical	<input type="checkbox"/> Flange mount	Nozzle Length: _____ cm/in
<input type="checkbox"/> Parabolic	<input type="checkbox"/> Parabolic	<input type="checkbox"/> Bypass/Sidepipe Mount	Nozzle Diameter: _____ cm/in
		<input type="checkbox"/> Pipe mount	Process connection type: _____
<b>Pressure:</b>		<input type="checkbox"/> Displacer replacement <small>(please supply drawings)</small>	Process connection size: _____
Normal: _____			Distance to sidewall: _____ cm/in
Maximum (relief): _____			

**Interface Data**

Upper material: \_\_\_\_\_ Lower material: \_\_\_\_\_ Emulsion layer:  Yes  
 Upper material thickness: \_\_\_\_\_ cm/in Lower material thickness: \_\_\_\_\_ cm/in  No (preferred)  
 Upper material dielectric: \_\_\_\_\_ Lower material dielectric: \_\_\_\_\_ Emulsion thickness: \_\_\_\_\_ cm/in

**Material**

Material being measured: \_\_\_\_\_  Liquid  Slurry

Material temperature: Norm: \_\_\_\_\_ °C/°F Max: \_\_\_\_\_ °C/°F

Coating buildup:  Yes  No Turbulence:  Yes  No

Maximum Viscosity: \_\_\_\_\_ Density: \_\_\_\_\_ kg/m<sup>3</sup>  
 Kinematic Viscosity (cSt) = Dynamic Viscosity (cP) / Density (kg/m<sup>3</sup>)

1 to 5 cSt (like water)  50 to 100 cSt (like honey)  
 5 to 20 cSt (like machine oil)  100 to 500 cSt (like syrup/molasses)  
 20 to 50 cSt (like cooking oil)  >500 cSt (like tar)

**Installation**

Power available: \_\_\_\_\_ Outputs required:  4 to 20 mA  
 Communications:  HART®/4 to 20 mA  Other (please specify) \_\_\_\_\_