

Guided Wave Radar Application Questionnaire

Instructions: Navigate through the form using the TAB key or mouse. To select a checkbox, click with mouse or press the SPACEBAR. To select units, click and choose from drop-down menu.

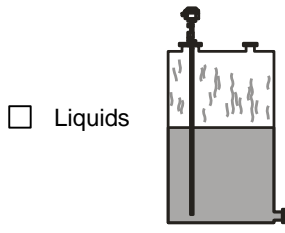
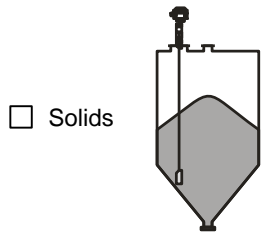
Customer Information

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



Tank Dimensions:

Height: _____ ft
 Diameter: _____ ft
 Nozzle Length: _____ in
 Nozzle Diameter: _____ in

Tank top:

- Open
- Flat
- Conical
- Parabolic

Tank bottom:

- Sloped
- Flat
- Conical
- Parabolic

Mounting location:

- Top mount
- Thread mount
- Flange mount
- Bypass/Sidepipe mount
- Pipe mount
- Displacer replacement
(please supply drawings)

Process connection type: _____
 Process connection size: _____
 Distance to sidewall: _____ in

Pressure:

Normal: _____
 Maximum (relief): _____

Material

Material being measured: _____

- Liquid Solid Slurry

Material temperature:

Norm: _____ °F Max: _____ °F

Particle size:

- Fine dust/powder, <0.5 cm (0.2")
- Grains (rice, corn), <2 cm (0.8")
- Small stones/gravel, <2 cm (0.8")
- Small rocks/chunks, >2 cm (0.8")
- Large particles, <9 cm (3.5")

Measurement type:

- Continuous level Interface level

Material Concentration: _____ %

Dielectric constant: _____

Coating buildup:

- Yes No **Turbulence:** Yes No

Maximum Viscosity: _____

Density: _____ kg

Kinematic Viscosity (cSt) = Dynamic Viscosity (cP) / Density (kg/m³)

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

Foam type:

- None Wet
- Dry Wet/dense

Installation

(indicate all that apply)

Communications:

Outputs required:

Power available: _____ HART ® /4 to 20 mA 4 to 20 mA Other _____

Products recommended: