

Guided Wave Radar (Level) Application Questionnaire

Customer information

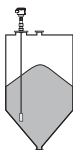
Contact: _____ Prepared By: _____
 Company: _____ Date: _____
 Address: _____ Notes on the Application: _____
 City: _____ Country: _____
 Zip/Postal Code: _____ Phone: () _____
 E-mail: _____ Fax: () _____

Tank/Vessel Information

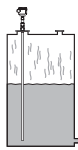
(supply sketch where possible)

☐ Sketch
attached

☐ Solids



☐ Liquids



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)

Tank dimensions:

Height: _____ m/ft
 Diameter: _____ m/ft
 Nozzle Length: _____ cm/inch
 Nozzle Diameter: _____ cm/inch
 Process connection type: _____
 Process connection size: _____
 Distance to sidewall: _____ cm/inch

Pressure:

Normal: _____
 Maximum (relief): _____

Material

Material being measured: _____

Material temperature: Norm: _____ °C/°F Max: _____ °C/°F

Measurement type: ☐ Continuous level ☐ Interface level

Dielectric constant value: _____

Coating buildup: ☐ Yes ☐ No Turbulence: ☐ Yes ☐ No

Maximum viscosity: _____ Density: _____ kg/m³
Kinematic Viscosity (cSt) = Dynamic Viscosity (cP) / Density (kg/m³)

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

☐ Liquid ☐ Solid ☐ Slurry

Particle size:

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

Foam type:

- ☐ None ☐ Wet
☐ Dry ☐ Wet/dense

Installation

(indicate all that apply)

Power available: _____ Communications: _____ Outputs required: ☐ 4 ... 20 mA
☐ HART/4 ... 20 mA ☐ Other (please specify) _____

Products recommended: