



U or R Series Specification Work Sheet

Ultrasonic or Radar Sensor

Madison Company can engineer the ultrasonic or radar sensor to meet your application needs. Please provide the following information so that our engineering staff can determine the appropriate sensor design for your requirements.

Customer: _____ Contact Name: _____

Address: _____

Phone No.: _____ Fax No.: _____ E-mail: _____

ENVIRONMENT

Application description: _____
 Material to be measured: _____
 Vessel construction (wall material, shape, size): _____
 Max. distance from top of vessel to lowest measurement point: _____ Turbulence? _____
 Level range – Min: _____ Max: _____ Normal: _____
 Ambient temperature range (inside the vessel) – Min: _____ Max: _____ Normal: _____
 Material density: _____ Units: _____ Material dielectric constant: _____
 Pressure – Min: _____ Max: _____ Normal: _____ Units: _____ Vented? _____ Vacuum? _____
 Washdown required? _____ IP rating required: _____
 Other considerations (vibration, food contact, hazardous location, turbulence, foams, solids, approvals, filling method, vapors/dust, etc.): _____

 Installation: Indoors or Outdoors Explosion Proof (Radar Only)

ELECTRICAL

Output: 4-20 mA 20-4 mA 0-5 V 5-0 V
 Communications: RS232 RS485 None
 Power: 3-wire: 24 VDC 2-wire: Loop powered
 Resolution: _____ Accuracy: _____ Repeatability: _____
 Terminations: _____

PHYSICAL

Mounting considerations: _____

 Antenna Material: Polypropylene (standard) PTFE
 Sanitary design High temperature (above 140°F)

PROJECT

Unit Volume (monthly): _____
 Packaging/Labeling: _____
 Price Target: _____
 Stocking/Shipping Requirements: _____
 Design Completion Date: _____ First Delivery Date: _____

NOTES

DESIGN

Please attach any drawings to the email generated by this form, or email them directly to info@madisonco.com.

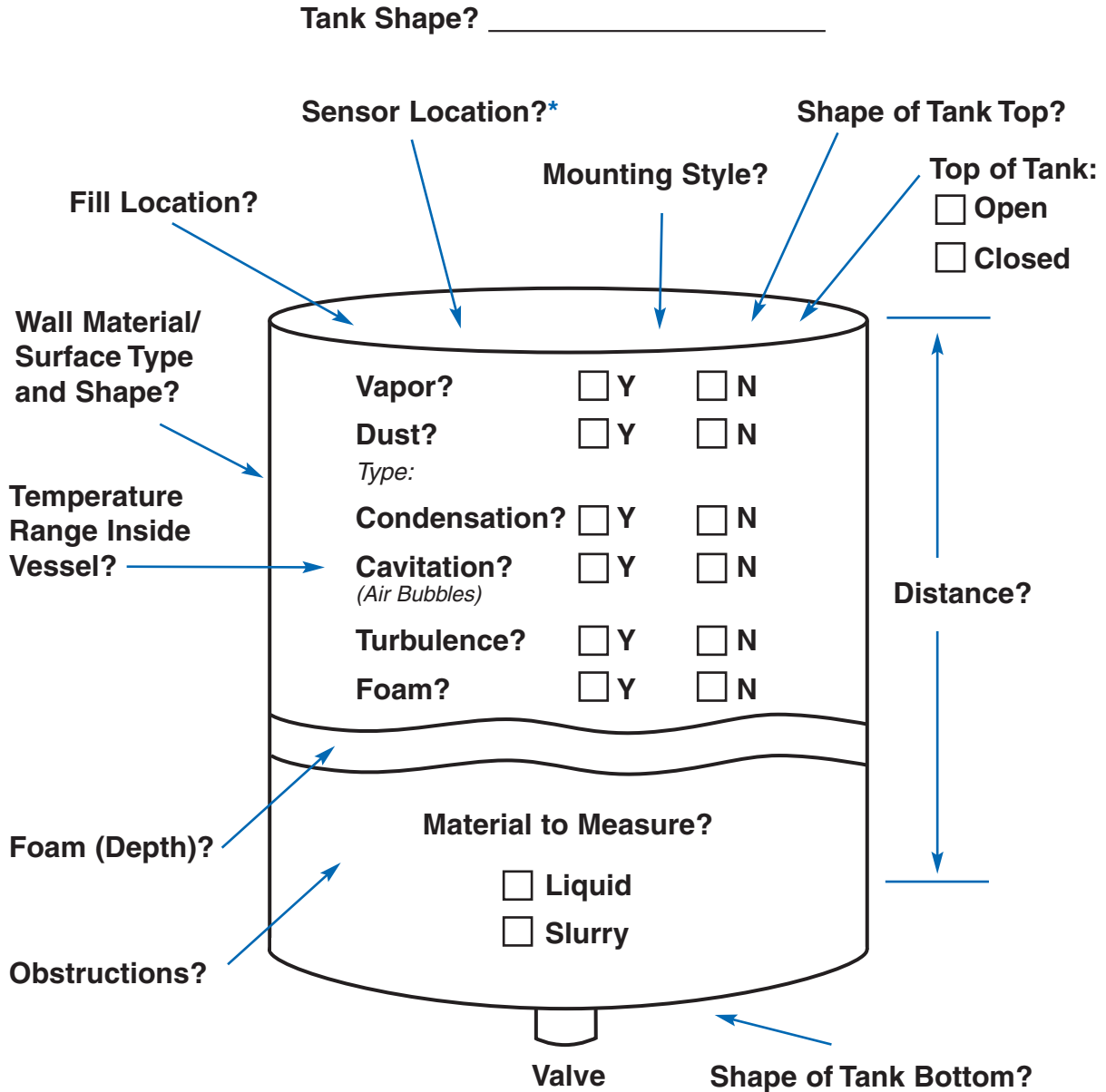
If sending a drawing or other attachment please indicate the file name here:

More specification questions follow on the next page!

NC

Considerations for Sensor Applications in a Typical Vessel, Container or Tank

* Note: Sensor must be installed on the top of the vessel. Please indicate hole location.



Power Required: 24 VDC (3-Wire) Loop Power (2-Wire)

Communications: RS232 RS485 Mod Bus



Sensor solutions for today and the future™



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