

Rosemount 3308 Series Wireless Guided Wave Radar, 3308A

Quick Start Guide, Option code WU



WARNING

Explosions could result in death or serious injury.

Installation of device in an explosive environment must be in accordance with appropriate local, national and international standards, codes, and practices.

Ensure device is installed in accordance with intrinsically safe or non-incendive field practices.

Electrical shock can result in death or serious injury.

Ground device on non-metallic tanks (e.g. fiberglass tanks) to prevent electrostatic charge build-up.

Single lead probes are sensitive for strong electromagnetic fields and therefore not suitable for non-metallic tanks.

Care must be taken during transportation of power module to prevent electrostatic charge build-up.

Device must be installed to ensure a minimum antenna separation distance of 8 in. (20 cm) from all persons.

Process leaks could result in death or serious injury.

Handle the transmitter carefully.

If the process seal is damaged, gas could escape from the tank when removing the transmitter head from the probe.

Failure to follow safe installation guidelines could result in death or serious injury.

Only qualified personnel should install the equipment.

Use the equipment only as specified in this guide and the Reference Manual. Refer to Rosemount 3308 Series Wireless Guided Wave Radar, 3308A Reference Manual (document number 00809-0100-4308) for more instruction.

Required equipment



Measuring tape



Anti-seize paste or PTFE tape
(for NPT threaded connection)



Marker pen



Gasket
(for BSP/G threaded, flanged, and
Tri-Clamp™ connections)



Bolt or wire cutter



Standard tools, e.g. screwdriver,
wrench, pliers



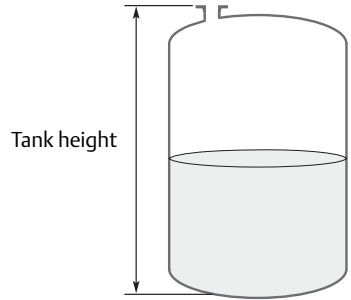
Allen key (M4)



AMS Wireless Configurator version
12.0 or later, or Field Communicator

1. Measure tank height

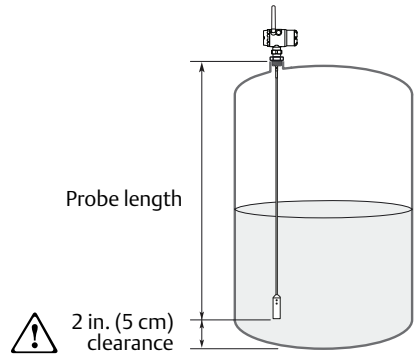
Tank height:



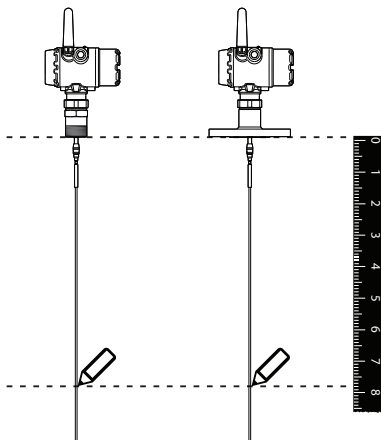
2. Calculate probe length

Probe length = Tank height - 2 in. (5 cm)

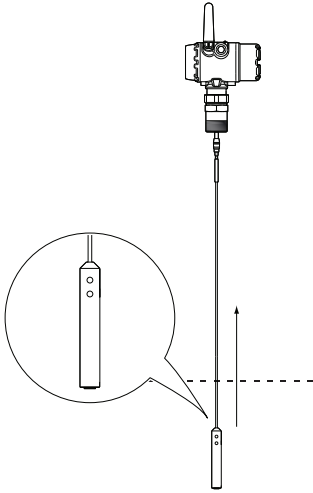
Probe length:



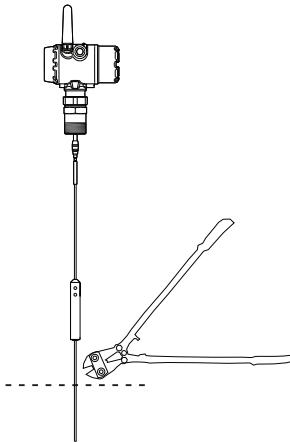
3. Mark where to cut the probe



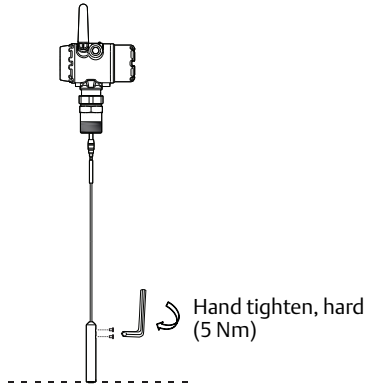
4. Slide the weight up



5. Cut the probe at the mark




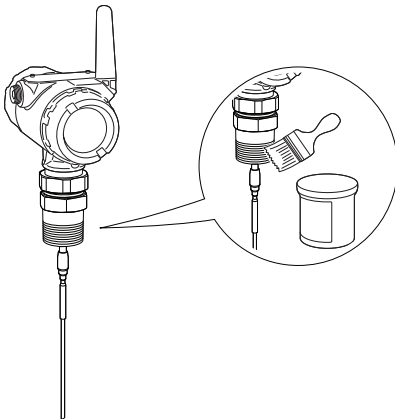
6. Fasten the weight



7. Seal and protect threads

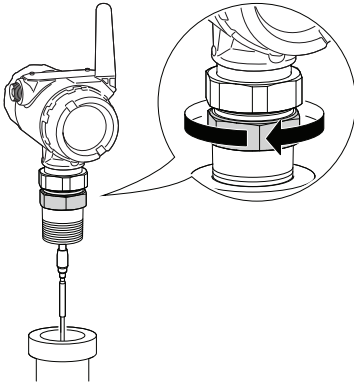
Use anti-seize paste or PTFE tape according to your site procedures.

 Only for NPT threaded tank connection.

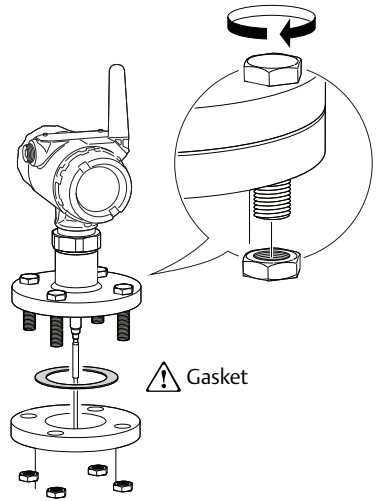


8. Mount device on tank

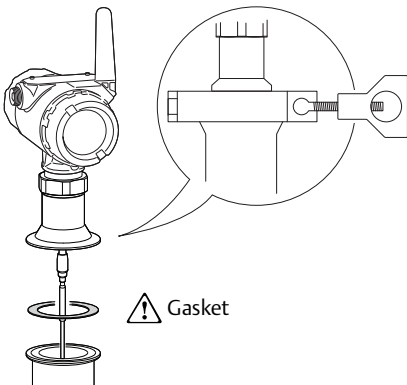
NPT



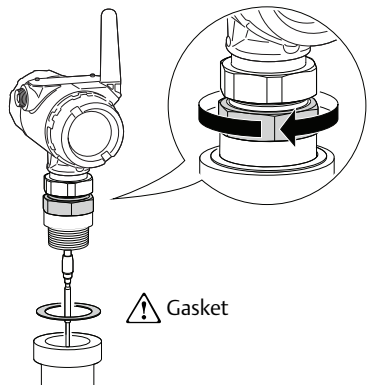
Flange



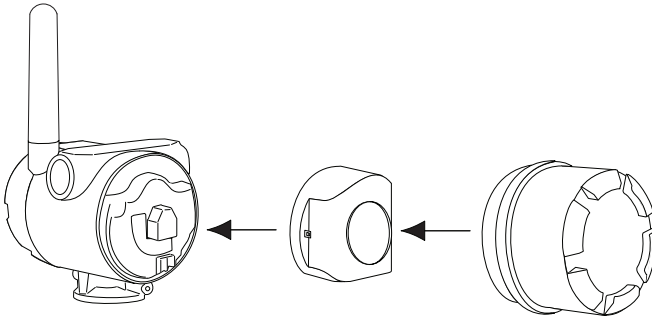
Tri-Clamp



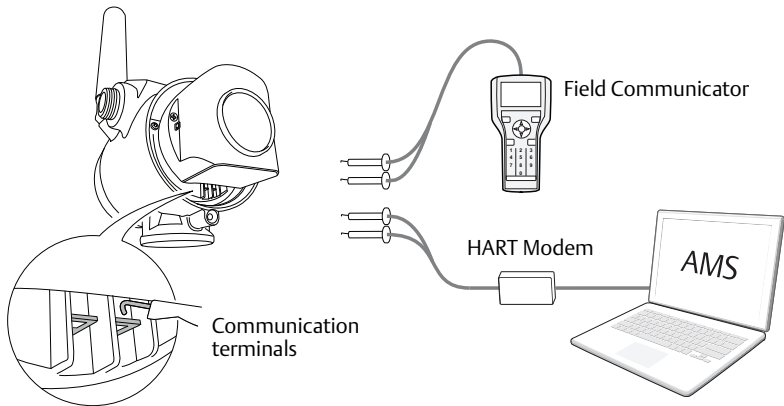
BSP/G



9. Insert power module



10. Connect to device



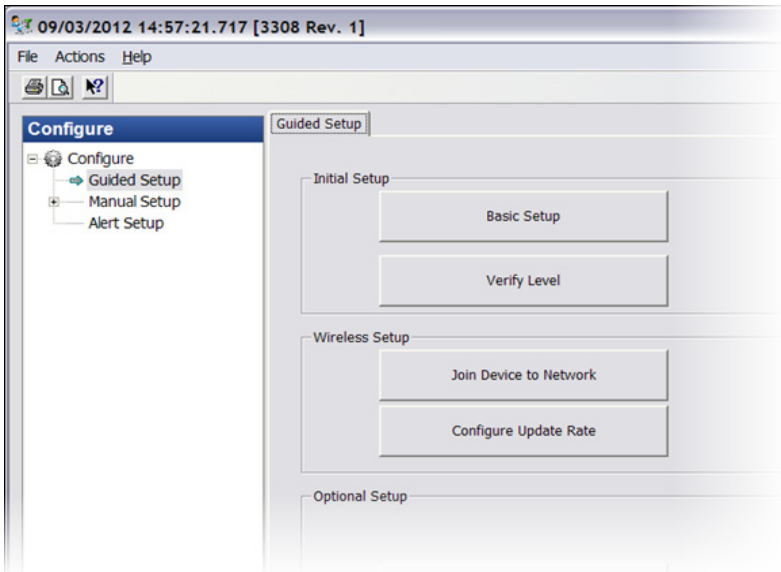
AMS Wireless Configurator:

- Start AMS Wireless Configurator.
- Select **Device Connection View** in the **View** menu.
- Double click on the device under the HART modem.

Field Communicator:

- Turn on the Field Communicator.
- Tap the HART symbol from the main menu.
- The Field Communicator now connects to the device.

11. Configure device using Guided Setup



- a. Go to **Configure > Guided Setup > Initial Setup**.
- b. Click **Basic Setup** and follow the instructions.

Use **Probe Length** and **Tank Height** recorded in step 1 and 2 of this document.

- c. Click **Verify Level** to check your level measurement.
- d. Consider optional setup, such as **Volume** and **Device Display**.

12. Join device to network

- a. Go to **Overview > Shortcuts**.
- b. Click **Configure Update Rate** and follow the instructions.
- c. Obtain **Network ID** and **Join Key** for the wireless network (available in wireless gateway).
- d. Click **Join Device to Network** and follow the instructions.

13. Wait for device to join network



- a. Go to **Overview > Status**.
- b. Wait for communication status to become **Connected**.
This takes several minutes. Please, have patience.

You have now successfully installed the Rosemount 3308 Series Wireless Guided Wave Radar.

Learn more

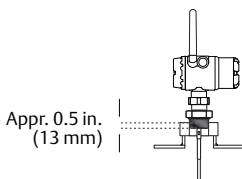
Visit www.rosemount.com/level to download the Rosemount 3308 Series Wireless Guided Wave Radar, 3308A Reference Manual (document number 00809-0100-4308).

Site Summary

Site	

Tag/Tank	Tank height ⁽¹⁾	Probe length		
#1				
#2				
#3				
#4				
#5				
#6				
#7				
#8				

1. Measure tank height
2. Calculate probe length
3. Mark where to cut the probe
4. Slide the weight up
5. Cut the probe at the mark
6. Fasten the weight
7. Seal and protect threads
8. Mount device on tank
9. Insert power module
10. Connect to device
11. Configure device using Guided Setup
12. Join device to network
13. Wait for device to join network



1) For threaded connections, subtract 0.5 in. (13 mm) from the measured tank height to compensate for the reference offset.

$Tank\ height = Measured\ tank\ height - 0.5\ in.\ (13\ mm)$



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