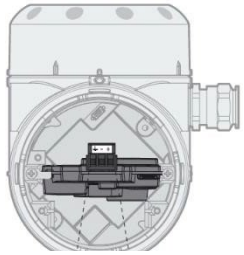
OPTIFLEX 7200E Guided Wave Radar (TDR) Level Transmitters

Versions:
Display (D), No Display (ND) & Remote (RD)



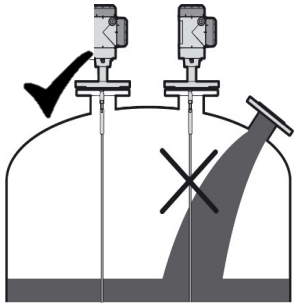
Installation, assembly, start-up and maintenance may only be performed by appropriately trained personnel.

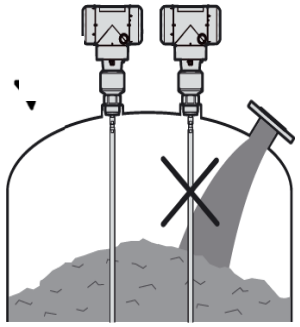
For use in hazardous areas, special codes and regulations are applicable which are supplied in a separate document that describes all hazardous area relevant information.

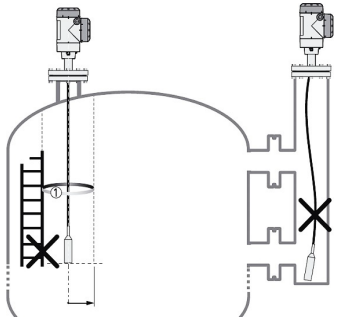
The responsibility as to the suitability, intended use and corrosion resistance of the used materials against the measured fluid of this device rests solely with the operator.

For complete documentation (manuals, supplementary manuals, data sheets and certificates) please refer to or www.electrolabcontrols.com/...

1 Installation

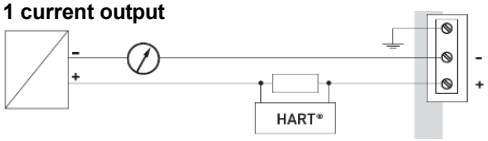






2 Electrical Connection

1 current output



11.5...30 V DC (Non-Ex; Ex i)
13.5...34 V DC (Ex d)

3 Adjusting Cable Probe Length & Updating Device Settings

CAUTION!
Complete the Auto Setup procedure AFTER adjusting the probe length.

To shorten the cable probe and configure the device accordingly, follow these steps:

⚠ Pre-Cut Measurement
Before cutting the cable:

- Measure the distance from the tank port to the bottom of the tank. Subtract 4 inches from this measurement. This value represents the required cable length for proper operation.

1. Remove the Counterweight

- Use a 3-mm Allen wrench to loosen the socket set screws securing the counterweight.
- Remove the counterweight from the cable.

2. Measure and Mark the Cable

- Measure the cable length from the thread stop or flange face.
- Mark the cable at the desired point.
  - Calculate the total probe length: Total Probe Length = (Marked Cable Length) + (Counterweight Length) − (Cable Engaged in Counterweight)

3. Cut the Cable

- Trim the cable to the calculated length using a Wire Rope or Cable Cutter rated for 3/16" diameter.

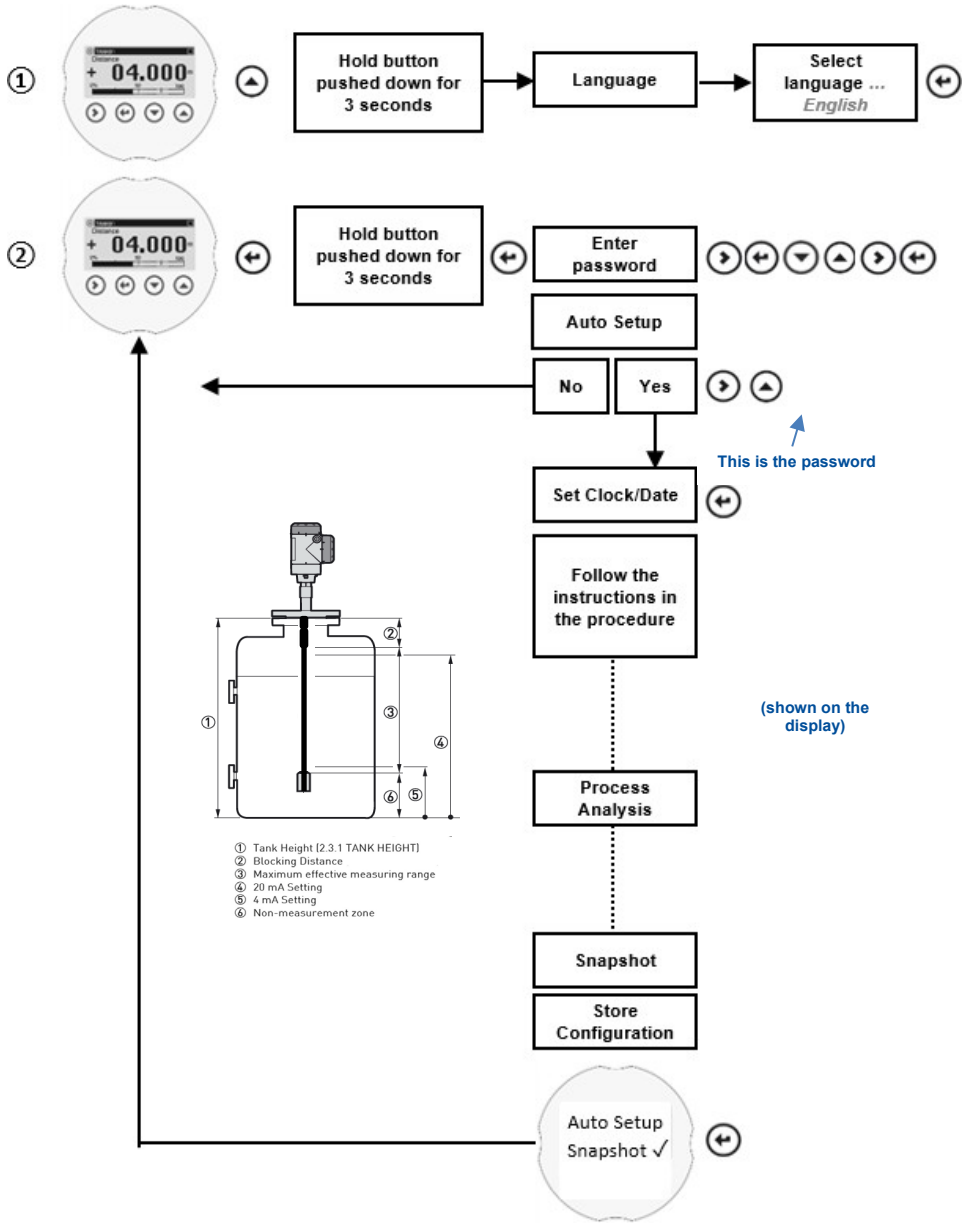
4. Reinstall the Counterweight

- Insert the cable into the counterweight.
- Tighten the socket set screws securely using the 3-mm Allen wrench.

5. Update the Device Settings

- Navigate to the **Supervisor Menu (2.0.0)**:
  - Press [>], then [▲] twice, [>], then [▲] twice again to access **Menu 2.3.4 – Probe Length**.
- Enter the new probe length value.
- Press [↲] to return to the sub-menu.
- Press [↲] four times to save the settings.
- Set the **STORE** parameter to **YES**, then press [↲] to confirm.

4 Auto Setup



HART® Device Variables

The following variables are pre-configured by Electrolab for analog HART® output:

Process Variable	Measurement Type	Units
PV 1	LEVEL	IN
PV 2	INTERFACE	IN
PV3	LAYER	IN
PV 4	DEVICE TEMP	°F

Note: Variable measurement types can be set on the device using the HMI display or through PACTware.

Helpful Resources

Technical Support:

Electrolab, Inc.
159 Enterprise Parkway
Boerne, Texas 78006
1-888-301-2400

InsideSales@electrolabcontrols.com

To access a full user guide:

http://electrolabcontrols.com/wp-content/uploads/2025/07/OPTIFLEX7200_Offered-by-Electrolab-072425.pdf