



CAUTION! Always use care and wear appropriate PPE when working with chemicals!

1 Install Controller

- A. Position unit and attach mounting feet if necessary (BETA).
- B. Mount and connect to power source.
- C. Connect Ethernet or Cell-POE device if applicable (BETA).

2 Record Sensor Information

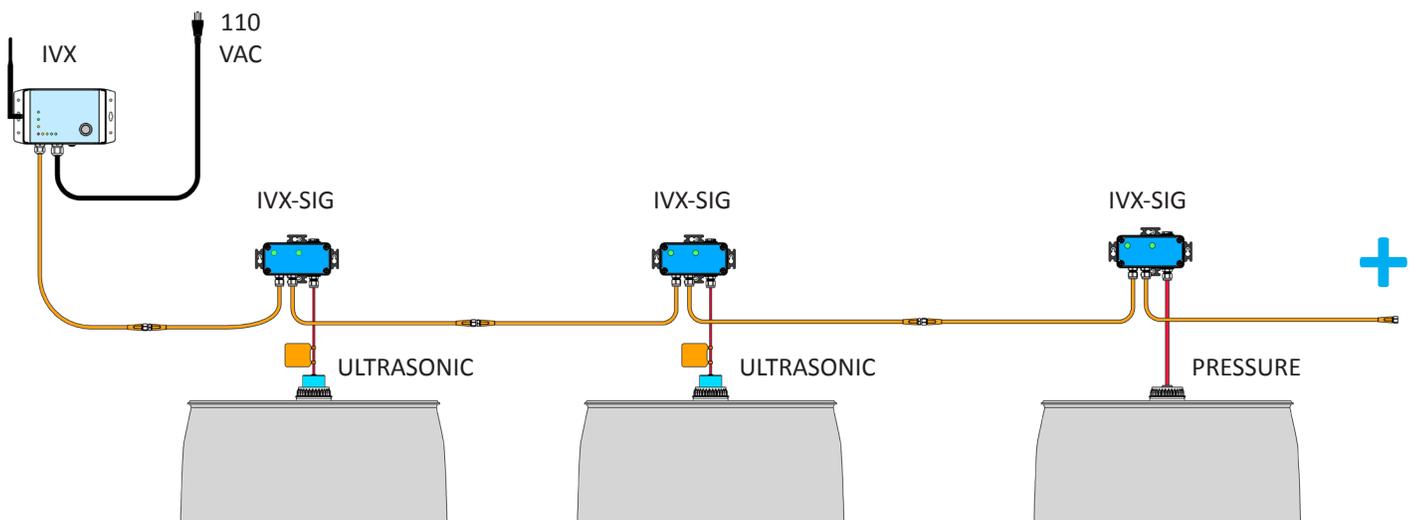
- A. Open the IVX Signal Converter
- B. Using the info-graph inside the cover identify the Sensor ID #
- C. If multiple sensors are to be configured with the IVX unit, each ID must be unique.
- D. To aid in configuring later, record the following information for each Sensor:
 - **Sensor ID #**
Check DIP Switch inside cover
 - **Container Name**
 - **Container Height**
 - **Container MAX Volume**
 - **Current Volume Amount**

3 Install Sensors

- A. Position Sensor in container:
 - **Pressure:** Lay on bottom of container or suspended if susceptible to debris. Tighten cord grips on cap to stabilize cord length.
 - **Ultrasonic:** Position at top of container, perpendicular to liquid, and away from any obstructions.
- B. If the Container is equipped with a 2in. NPS opening the included cap can be used to attach and secure the sensor into position.

4 Connect Sensors

- A. Connect Sensors in a daisy-chain fashion via the IVX Signal Converter using the orange M12 Cable(s).
- B. Hand tighten the M12 cable connections, then two more clicks using a wrench.
- C. When Sensors are connected Green Lights will indicate it is receiving power and signal.
- D. Connect the port cap to the final sensor's cable to seal and complete the chain.





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5 Clean Intel - Add Sensors

- A. Go to **cleanintel.com**, login as an administrator and select **IVX**.
- B. Open the Sensors page
- C. Click **New +**
- D. Enter Sensor details and **Save**

6 Add & Link Containers

- A. On Clean Intel, select the Containers page
- B. To add a Container, click New +
- C. Enter Container details and identify Sensor
- D. Click **Save**

7 Calibrate

- A. From the **Containers** page, select a linked Container and Sensor configuration
- B. Click **Calibrations**
- C. Click **Add a Calibration Point** and enter:
 - **Sensor Reading:** The raw 4-20mA reading from the sensor
 - **Volume:** Amount at specified Sensor Reading
- D. **Save** and repeat for a 2nd Calibration point
- E. For more information on Sensor Specific calibration protocols please reference pages 14-15 of User Manual.

Sensor Reading (mA)	Volume (G)	Created
5.1	100	08/09/17

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