

Sensor Offset

The Sensor offset is an important value for overall performance and accuracy of your level system. The sensor offset is the key reference point of where exactly your sensor is installed relative to the bottom of the monitoring channel. The difference between the sensor offset and the level measurements obtained from the sensor's ultrasonic level transducer is the actual level of the fluid in the monitoring channel. (i.e., 20" offset and a 15" distance to surface reading will calculate a 5" fluid level reading)

To Calculate the Sensor Offset

- Left-click the **Calc** button next to the **Sensor Offset** edit box.
- Place the sensor in its mounting cradle in the location for monitoring. Take a sample from the connected sensor by clicking the **Take Sample** button. Once the sensor completes its calculations, the distance to the surface will be displayed in the **Distance to Surface** edit box.
- Enter the actual level of the fluid being measured (i.e. pipe diameter minus the air gap equals the fluid level) in the **Measured Level** edit box.
 - Note:** The air gap is the distance from the crown of the pipe to the fluid surface.
- The Distance to Surface plus the actual fluid level measurement will calculate and be displayed in the **Sensor Offset** edit box.
- Left-click the **OK** button to go back to the Setup screen. The sensor offset will be displayed in the Sensor Offset edit box of the Site Setup screen.

Note: If you already know a value or are dissatisfied with the Level Offset results, you are free to type a value in the **Level Offset** edit box.

Name	Logging	Unit
Velocity	On	Feet Per Second
Level	On	Inches
Temperature	Off	Celsius
Surcharge Level	Off	Inches