



# Continuous Level Sensor

## C3945 & C3975 Installation Guide

### Specifications

Sensing Length = \_\_\_\_\_ inches

Resolution = 1Inch

\_\_\_\_\_ Output: 4 to 20 mA, 2 wire Red(+) Black(-)

Output: 4 mA with float at bottom

Output: 20 mA with float at top

\_\_\_\_\_ Output: Resistive, 220 Ω per 1 Inch of indication

\_\_\_\_\_ Output Resistive, Non Linear per application

Temperature range: -40°C to 85°C, -40°C to 105°C with Resistive Output

Mounting: \_\_\_\_\_

\_\_\_\_\_ Output: 1 to 5 VDC, 3 wire

Red(+) Black(-) White (output)

Output: 1 V with float at bottom

Output: 5 V with float at top

### General Information

1. Continuous Level Sensors should be installed rigidly so the float is free to move as the liquid level changes.
2. Continuous Level Sensors should be mounted in a tank area free of severe turbulence or protected from such turbulence by appropriate and adequate slosh shields.
3. Continuous Level Sensors stems should be vertical for best results, but satisfactory operation is possible in most liquids with the stem at up to a 30° angle from vertical.
4. Care should be taken that Continuous Level Sensors are always operated within electrical ratings.

### Cautions

1. The pressure, temperature and electrical limitations shown for the specified level sensor must not be exceeded.
2. The pressures and temperatures must take into consideration possible surges in the temperature and pressure of the system.
3. The liquids used must be compatible with the materials of construction. Specifications of materials will be given upon request.
4. Life expectancy of the sensor varies with applications. Contact the factory if life cycle testing is required.
5. Ambient temperature changes can affect sensor set points, since specific gravities of liquids vary with temperature. Consult factory for assistance.
6. Level sensors have been designed to be shock and vibration resistant. For maximum life, both should be minimized. Consult factory for assistance.
7. Excessive contaminants in fluid may inhibit float operation and occasional wipe down may be necessary.
8. Physical damage to product may render product unserviceable.
9. Installation in a vessel made from magnetic materials may affect operation.



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