

**LiquaVision® Sensor & Bubbler Systems**  
 A Single Pump Controller with a High and Low  
 Alarm Control in a  
 16x20x8” NEMA4 Metal or Fiberglass Enclosure

**Sensor Input:** Isolated input accepts 4-20 mA signal and allows remote data collection. Loop power up to 30 VDC for 2 wire

**Input Power:** 120 VAC/24VDC unregulated

**Security Levels:** 3 levels of access protect data changes with DIP switch on back

**Control Circuits:** Four Form ‘C’ relays, 10.0 amp 125 VAC (noninductive). The pump range is a differential using one Form ‘C’ relay.

**Programmed Memory:** EEPROM-Loss of power will not affect existing programmed data

**Mounting Format:** Flush mounted anodized steel enclosure with eight (8) 10/32 studs and sealing gasket, NEMA 4 Lexan Graphic Front panel. Steel back pan houses the circuit board making it finger safe.

**Overall Dimensions:** Tall: 16.75” (425mm), Wide: 10.25” (250mm), Deep: 2.25” (57mm), Weight: 10 lbs.



**LiquaVision® Bubbler Sensor System**

The bubbler system is ideal for materials that are difficult to manage because of temperature, chemical makeup and slurry installations. The concept that is being used in a bubbler is to provide a bubbler tube of air in the tank and measure the back pressure exerted on it by the height of the liquid. The back pressure in the bubbler tube changes with level variations and is being converted to a 4-20mA or 1-5 volts signal that is received by LiquaVision®. The bubbler tube is made of a material that is compatible with the liquid and is typically 1/2”to 3/4” ID.



**LiquaVision® Pressure Sensor System**  
 (with Endress & Hauser PMC 131 Sensor)

This system has the same specifications as listed above with the exception of the Bubbler. The Bubbler is replaced by a Endress & Hauser PMC 131 Pressure Transducer with a 1/2” NPT which provides a 4-20mA signal to the controller. The isolated sensor input allows for networking to other devices.



**LiquaVision® Pressure Sensor System**  
 (with Endress & Hauser PMC 41 Sensor)

This system has the same specifications as listed above with the exception of the Bubbler. The Bubbler is replaced by a Endress & Hauser PMC 41 Pressure Transducer with a 1/2” NPT which provides a 4-20mA signal to the controller. The isolated sensor input allows for networking to other devices.

