



The **110-WS-16BP Barometric Pressure Sensor** uses a piezoresistive sensing element which responds to changes in barometric pressure with a corresponding change in resistance. This resistance is converted to a voltage from which a microprocessor (or another data processor) calculates the barometric pressure at the elevation where the barometer is located.

Because barometric pressure varies with elevation, the BP sensor must be adjusted to read correctly for the elevation at which it is installed. This is done using the offset adjustment screw located on the side of the sensor.

The sensor is designed to be mounted indoors. This arrangement assumes that the barometric pressure indoors and outdoors is equal. An 18" length of cable is provided.

## Specifications

Range: 28.25 to 30.75 in Hg (956.6 to 1041.3 mb)  
 Measurement span: 2.50 in Hg (85 mb)  
 Resolution:  $\pm 0.01$  in Hg or  $\pm 0.3$  mb  
 Altitude offset: 0 to +10,000 feet, screwdriver adjustable  
 Absolute Accuracy: 0.05 in Hg  
 Input power: 10 to 18 Vdc  
 Output voltage: 0 to 5 Vdc = 2.5 in Hg (85 mb) span

## Ordering Information

110-WS-16BP Barometric Pressure Sensor