

Barometric Pressure Sensors

Resonant silicon technology, silicon capacitance



Barometric pressure sensors measure fluctuations in the pressure exerted by the atmosphere. The sensors require protection from condensing humidity, precipitation, and water ingress. They are typically housed with the data logger inside an environmental enclosure. If the enclosure is airtight, the sensor's pressure port must be vented to the atmosphere.

BaroVUE10
Digital Barometer



The BaroVUE™10 is a highly accurate barometer that can measure pressures over a range of 500 to 1100 hPa and can be used in a range of applications that includes meteorology and hydrology. This sensor includes our zero downtime recalibration. Other sensors on the market need to be taken offline and sent back to the manufacturer to be recalibrated, often for weeks at a time, causing a loss in valuable data and time, as well as an additional expense.

The sensor card for the BaroVUE™10 is pre-calibrated. Replacement sensor cards are also pre-calibrated, requiring only one trip to the field station and no downtime. The design of the BaroVUE™10 allows you to remove and replace your sensor card quickly and easily without either having to disassemble the equipment in the enclosure or having to send the equipment back to the manufacturer.

CS100
Barometric Pressure
Sensor



The CS100 measures barometric pressure for the range of 600 to 1100 mb. This range equates to from below sea level (as in a mine) up to 12,000 feet above sea level. Designed for use in environmental applications, the CS100 is compatible with all Campbell Scientific dataloggers.

CS106
Barometer



The CS106, manufactured by Vaisala, measures barometric pressure for the range of 500 to 1100 hPa (mBar). This range equates to from below sea level (as in a mine) to over 15,000 feet above sea level. Designed for use in environmental applications, the CS106 is compatible with most Campbell Scientific dataloggers.

For comprehensive details, visit: www.campbellsci.com.au/barometric-pressure 