



Barometric Pressure Smart Sensor (Part # S-BPB-CM50)

The S-BPB Barometric Pressure smart sensor easily plugs into HOBO loggers with smart sensor inputs. All calibration parameters are stored inside the smart sensor, which automatically communicates configuration information to the logger without any programming or extensive user setup.

The S-BPB Barometric Pressure smart sensor has a rugged, outdoor rated, weather-proof housing. The sensor is mounted outside the logger enclosure, so the logger does not need to be open to the atmosphere.

The S-BPB Barometric Pressure smart sensor is supported by the HOBO Remote Monitoring System (U30), the HOBO Micro Station (H21-002), the HOBO Energy Logger (H22), and the HOBO Weather Station (H21-001). Refer to your logger documentation for more information.



Specifications	Barometric Pressure Smart Sensor
Measurement Range	660 to 1070 mbar (19.47 to 31.55 in. Hg)
Accuracy	± 3.0 mbar (0.088 in. Hg) over full pressure range at +25°C (+77°F); maximum error of ±5.0 mbar (0.148 in. Hg) over -40° to +70°C (-40° to +158°F)
Resolution	0.1 mbar (.003 in. Hg)
Drift	1.0 mbar (0.03 in. Hg) per year
Operating Temperature Range	-40° to +70°C (-40° to +158°F)
Environmental Rating	Weatherproof
Dimensions	6.4 cm (2.5 in) diameter x 5.1 cm (2 in) height
Weight	96 gm (3.4 oz)
Bits per Sample	12
Number of Data Channels	1*
Measurement Averaging Option	Yes
Cable Length Available	50 cm (20 in)
Length of Smart Sensor Network Cable	50 cm (20 in)
Part Number	S-BPB-CM50
	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).

* A single HOBO Weather Station can accommodate 15 data channels and up to 100 m (328 ft) of smart sensor cable (the digital communications portion of the sensor cables).