



HOBO® S-BPA-CM10 Sensor

HWS Barometric Pressure Sensor

The Barometric Pressure Sensor provides average barometric pressure for each data logging interval over the range of 660 mb to 1070 mb (19.47 to 31.55 inHg). The operating temperature range for this sensor is -40° to 70°C (-40° to 158°F); sensor survival is supported from -20° to +70°C (-4° to +158°F). This specialized smart sensor must be used inside a data logger enclosure to assure protection from direct exposure to the weather.



Key Advantages:

- Specialized smart sensor
- Range of 660 mb to 1070 mb (19.47 to 31.55 inHg)
- Compatible with H22 data loggers

HOBO S-BPA-CM10 Sensor Specifications

Measurement parameters: average over logging interval, user-defined sampling interval from 1 second

Measurement range: 660 mb to 1070 mb (19.47 to 31.55 in. Hg)

Operating temperature range: -40° to 70°C (-40° to 158°F)

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°F to 158°F)

Resolution: 0.1 mbar (0.003 in. Hg)


Drift: Typical ±0.6 mb (0.018 in. Hg) per year, maximum <2.5 mb (0.074 in. Hg) per six months

Dimensions: 4.5 cm x 4.8 cm x 1.6 cm (1 3/4" x 1 7/8" x 5/8")

Approximate weight: 30 g (1 oz)

Cable length: 10 cm (4")

Note: Must be used inside logger enclosure to assure protection from direct exposure to the weather

 - The CE Marking identifies this product as complying with all relevant directives in the European Union (EU)