

This logger sensor measures atmospheric barometric pressure and displays data in four common units.

- kPa – kilopascal
  - atm – atmospheres
  - in Hg – inches of mercury
  - mm Hg – millimeters of mercury
- The sensor also offers an option to display the measured pressure values in terms of altitude (in meters).

Barometric pressure can be measured at sea level (1 atm) and also on mountains (lower than 1 atm).



## Specifications

- Used in the fields of Physics, Biology, Physiology, Exercise Science, Environmental Science, Earth Science, Weather Science, Botany, etc.
- Uses the piezoresistive effect.
- The sensor is pre-calibrated at the factory.
- Experiment duration: 1 second to 31 days.

Range and operation modes	ADC Resolution	Resolution	Max. sample rate (S/sec)
30 to 110kPa	15 bits	0.1 kPa	100
0.29 to 1.08 atm		0.1 atm	
8.85 to 32.48 in Hg		0.3 in Hg	
225 to 825 mm Hg		0.8 mm Hg	
-700 to 9165 m		1 m	

## Sensor Requirements

### Hardware

- **USB Module (USB-200)**  
Direct connection to the computer (PC, Mac, XO, or Linux)



or

- **WiFi Module (WIFI-201 or WIFI-202)**  
Wi-Fi communication – For any device which uses WiFi technology (ipads, Tablets, Smartphones and Computers)



- **Optional Accessories:**  
Battery Module, RF Communication Module, Graphic Display Module, Digital Display module



### Software

- Application for Windows
- Application for Mac
- Web Application for WiFi module
- NeuLog Software



**Multiple logger sensors can be used together!**



Subject to Change