

SEN2051 Blood Pressure Sensor

PowerLab Sensors Series

Description

The PowerLab Sensors Blood Pressure Sensor is used to non-invasively measure blood pressure in humans. The unit is coupled to a transducer converting the applied cuff pressure to an electronic signal and is supplied with an adult, child, and thigh cuff.



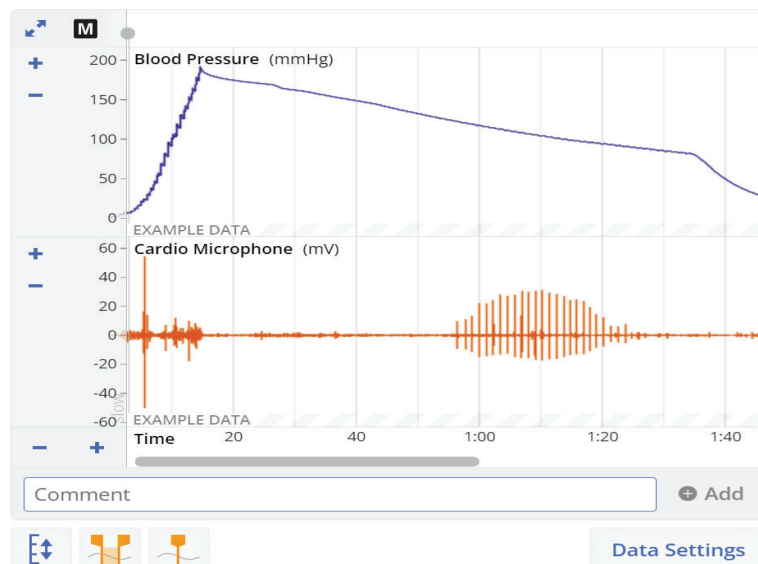
Operation

To use the Blood Pressure Sensor, plug the sensor into the USB port of a laptop or desktop computer, with a Windows or Mac operating system. Alternatively, plug the sensor into the PowerLab T1 or a USB hub connected to a computer. A green LED on the connector housing indicates the transducer is receiving power and is ready for use.

Application

Wrap the cuff around the arm, approximately 2 cm above the elbow. The pulse is monitored by the PowerLab Sensors Finger Pulse Sensor (SEN2021). With the screw valve closed, squeeze the rubber bulb to inflate the cuff until the recorded pulse diminishes, then increase pressure by an additional 20 mmHg. Turn the screw anti-clockwise to release the pressure at a slow constant rate. Do not leave the cuff inflated for a prolonged time (> 90 seconds).

Typical Data



Blood pressure measurement with Cardio Microphone to measure Korotkoff sounds

Caution

Read "Statement of Intended Use" on our website.

Specifications

Operating pressure:	0 to 300 mmHg
Operating temperature:	15°C to 40°C
Operating life of transducer:	>500 hours
Cable length:	1.8 m (5.9')
Connector:	USB

All specifications were tested at the time of printing and are subject to change.

Ordering Information

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For use with:

Laptop or desktop computer with Windows or Mac operating system