Bluetooth Pressure Sensor
BluePSI User Guide

⚠ Important Notes

- Use a coin or the provided battery spacer to open battery cap. Do NOT use screwdriver.
- Sensitive diaphragm inside. Do NOT stick anything into the pressure port.

Description

① **Battery Cap –** twist cap with hand, or use a coin or use the provided battery spacer to open and install battery. Do NOT use screw driver.
② **Pressure Port (1/4-18NPT) –** connects to measurement port
③ **Device Label –**lists device ID and pressure range. Do NOT cover.

Electronic components and transmitter are contained within this top section.

⚠ **Do *NOT* twist the upper section of the unit.**

Use this portion to twist the unit when installing or uninstalling.
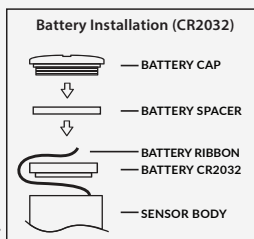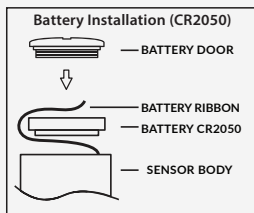
Included in the box

- Bluetooth Pressure Sensor (BluePSI) 1X
- User Guide 1X
- CR2050 Coin Battery 1X (CR2032 compatible, but CR2050 recommended)
- Battery Spacer (for CR2032) 1X

Compatible Software

- iOS: MultiGage Reader (download for FREE from the App Store)
- Android: MultiGage Reader (download for FREE from the Play Store)
- Windows: MultiGage Reader (BLE dongle required, download for FREE from www.motionics.com   Go to Resources > Download > Software)

Quick Start

- For a first-time use, follow the battery installation instructions on the right to install the battery. Keep the ribbon between the coin battery and battery contact so that battery can be removed easily.
- Plug in USB Bluetooth dongle if using Windows PC.
- Run one of the aforementioned Apps/software.
- In the main page, tap the Scan/+ button to bring up a new pairing page.
- Wait for the software to finish scanning nearby devices, then select **BluePSIXXXX** to connect. The device ID can be found on the BluePSI label.
- Once paired, readings will show in the software.
- **To read temperature,**
  - On iOS/Android, go to app Setting > Secondary Reading > Activate > Save. Select Number as display mode for the panel, temperature reading will display on the bottom left corner.
  - On Windows, add a panel and select the same BluePSI. Tap gear button on the panel to open panel setting, select Temperature from the Reading dropdown list.

Battery Installation (CR2050)
- BATTERY DOOR
- BATTERY RIBBON
- BATTERY CR2050
- SENSOR BODY

Battery Installation (CR2032)
- BATTERY CAP
- BATTERY SPACER
- BATTERY RIBBON
- BATTERY CR2032
- SENSOR BODY

On-Board Data Logging (For data logging models only BP2-XXX-02)

On-board data logging is a feature avaialable for certain BluePSI models (BP2-XXX-02) that allows storing pressure and temperature readings in the physical memory of the pressure sensor without the need to maintain connection with any smart device or Windows PC. This on-board data logging can be done in parallel with regular data logging and recording in software on a paired device. Here is how it works:

- Once connected to a BluePSI data logging model (BP2-XXX-02), the data logging page can be opened by clicking the log button in the gauge panel.
- Open the Settings page to configure data logging settings. If needed, set a passcode to protect the data logging session from unauthorized users.
- Tap the Record/Stop button to start or stop data logging.
- Tap the Refresh button to update the current data logging status.
- Tap the Retrieve Data button to retrieve data from the sensor with or without stopping data logging (data logging will pause during data transmission).
- The user can disconnect BluePSI from the receiving device and move out of Bluetooth range during data logging without interfering with the ongoing logging.