

Bluetooth Pressure Sensor BluePSI User Guide

Important Notes

- Don't Install Battery when not in operation.
- Sensitive diaphragm inside. Do **NOT** stick anything into the pressure port.

Description

- ① **Battery Cap**— twist cap on top to open and install coin battery
- ② **Pressure Port**— connects to measurement port
- ③ **Device Label**— lists device ID and pressure range

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

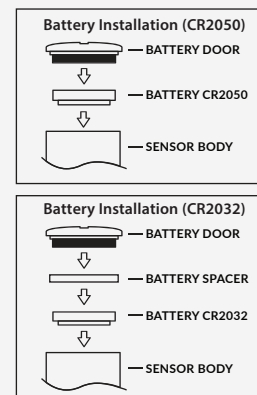
- Bluetooth Pressure Sensor (BluePSI) 1X
- User Guide 1X
- Coin Battery 1X
- Battery Spacer (for CR2032) 1X

Compatible Software

- iOS: MultiGage Reader
- Android: MultiGage Reader
- Windows: MultiGage Reader (BLE Dongle Required)
- The iOS app can be directly downloaded from the App Store for FREE.
- The Android app can be directly downloaded from the Google Play Store for FREE.
- Windows software is available on the Motionics website.

Quick Start

- For first time use, follow instructions to install the battery.
- Plug in USB Bluetooth dongle if using Windows PC.
- Run one of the aforementioned Apps/software.
- In the main page, tap Scan/+ button to bring up a new pairing page.
- Wait for the software to finish scanning nearby devices, select **BluePSIXXX** to connect. Device ID can be found on the BluePSI label.
- It might take multiple refreshes to find the device.
- Connection may take a few seconds. Once paired, instrument reading shows in the software.

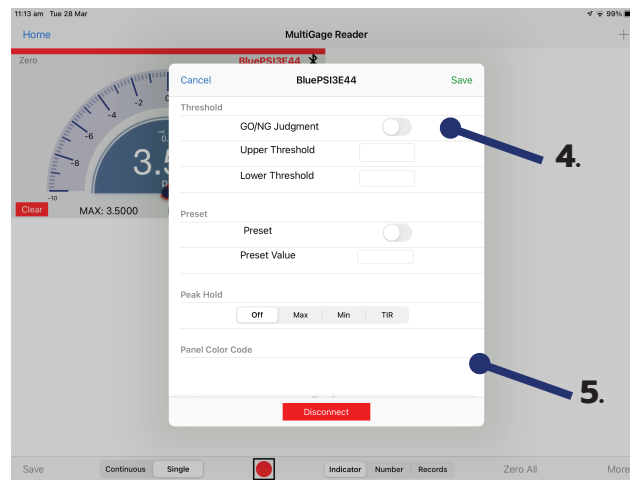
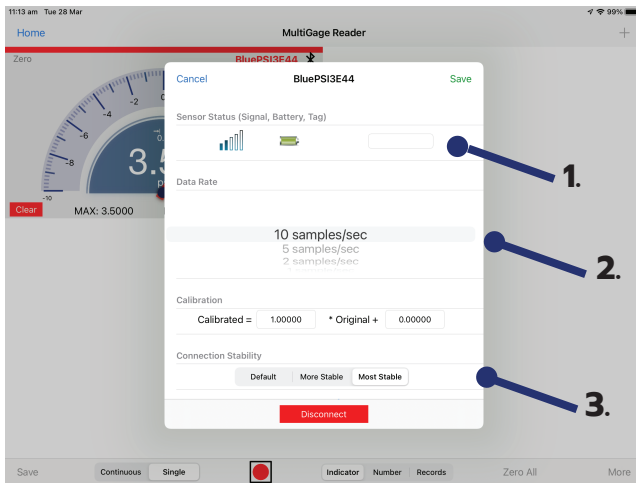


Specifications

- Measurement Range: Located on sensor label
- Accuracy: $\pm 0.25\%FS$
- Proof Pressure: 2X measurement range (20000 psi max)
- Burst Pressure: 5X measurement range (20000 psi max)
- Bluetooth Low Energy 4.0 Wireless Connection
- Wireless Data Transmission Interval: 5s (adjustable)
- Wireless Data Transmission Range: up to 20m
- Weather Proof: IP67
- Working Temperature: -20 – 85 °C
- Battery: CR2050/CR2032
- Pressure Port: 1/4-18 NPT

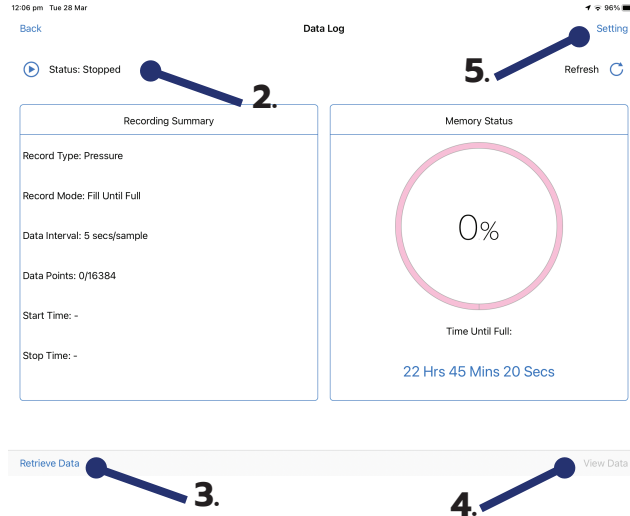
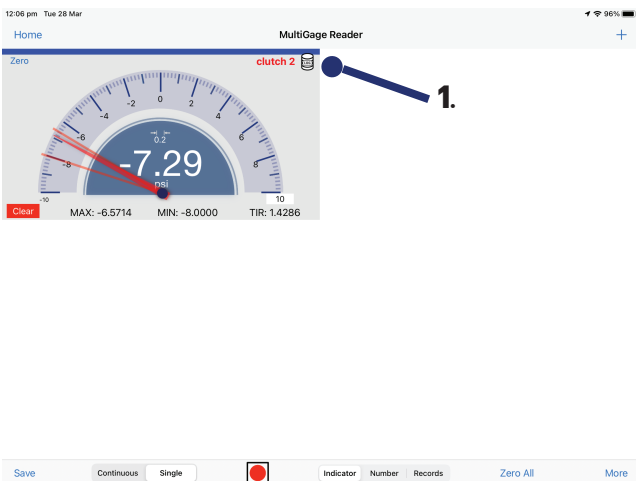
BluePSI Settings

Make sure to disconnect from the app after use to save battery power



1. **Device Name** - Device name is listed and can be edited (Only saved to iPad edited on)
2. **Data Rate** - Change the data rate of individual devices
3. **Connection Stability** - Changes the power usage of the device to increase stability and **can only be changed when connected via Bluetooth (Recommended: most stable)**
4. **Threshold** - Enable and disable threshold & enter upper and lower threshold limits
5. **Panel Colour** - Change colour of panel

BluePSI Internal Data Logging for BP2-XXX-02 Models



1. **Device Type Icon** - Icon represents the type of device: Bluetooth/Data Log/Calculator/Cloud (Click on to open Data log page and it will flash if data logging is running)
2. **Status Button** - Can start and stop data logging
3. **Retrieve data** - Click to view retrieved data off device
4. **View Data** - Click to view retrieved data off device
5. **Data Log Settings** - Edit data logging settings (Recording Type, Recording Mode, Data Interval, Passcode Protection)

Trouble Shooting

If experiencing connectivity issues, make sure that the connectivity setting is set to most stable. (See settings, point three)
Only to be set when connecting to Bluetooth not through GageHub.

Contact Information

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