

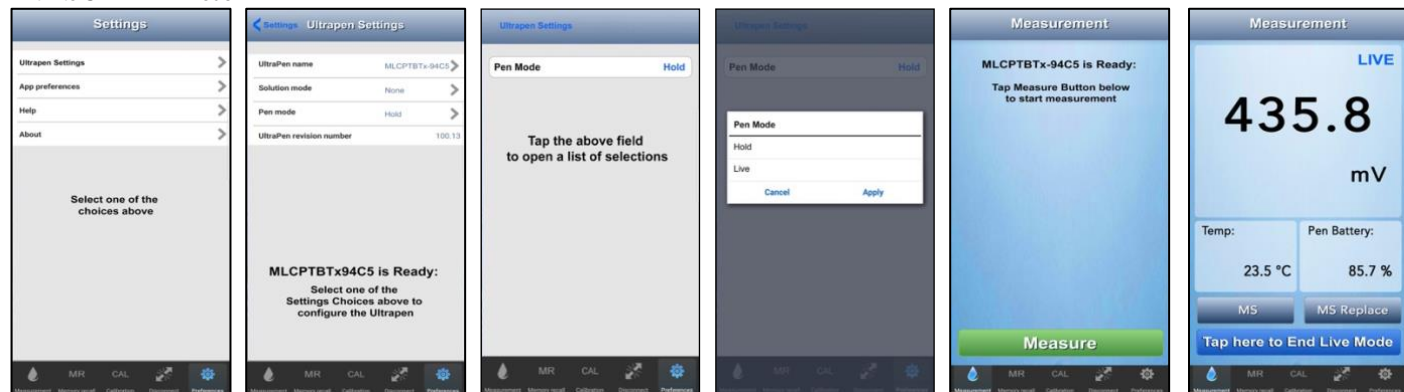
Quick Start Guide: ULTRAPENx2™ PTBT3 with the Ultrapen PTBTX2™ APP

ORP and Temperature Pen for Use with your Mobile Device

CHANGING THE PTBT3 LIVE / HOLD MODE

1. Press and release the PEN BUTTON on the PTBT3 to turn it ON and place it into STANDBY mode.

2. Tap the PREFERENCES button in the Feature Navigation Bar.



3. Tap the line that says **Ultrapen Settings**.

4. Tap the Pen Mode line on the screen.

5. The App will display the current mode setting. Tap the Pen Mode Field.

6. Select Live or Hold, then tap **APPLY**.

7. Return to the Measurement screen and tap the GREEN Measure button.

8. Either tap the BLUE button to manually stop LIVE mode, or it will stop by itself after 5 minutes.

EXPORTING DATA RECORDS

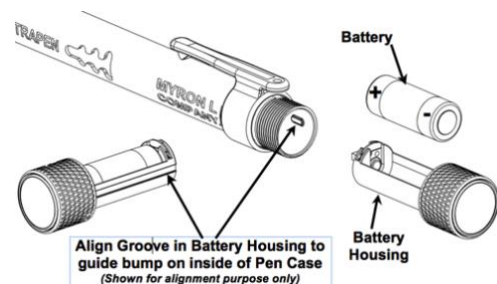
1. Tap the **MEMORY RECALL** button in the Feature Navigation Bar.
2. Tap the **EDIT** button in the upper right corner of the Record List. The Record List Edit screen will appear.
3. Tap individual records to select them for export, or tap the **SELECT ALL** button to select the entire record list.
4. As you select records the **CLEAR** and **DELETE** buttons update to show the number of records selected.
5. Tap the SEND button in the upper left corner of the record list. The default email program for your mobile device will open.
6. An attachment will be present containing the selected records.
 - The format of the attachment will be either .csv (default), .xls or .xlsx.
 - The format for attachments can be changed by opening the PREFERENCES > APPLICATION PREFERENCE screen.
7. Complete the email in the standard manner for your email application.

MAINTENANCE

BATTERY REPLACEMENT

When the PTBT3 charge level falls below 25% immediately replace the battery with a new N type battery.

1. In a **CLEAN, DRY** place unscrew the battery cap in a counter-clockwise direction.
2. Slide the cap and battery housing out of the PTBT3.
3. Remove the depleted battery from its housing.
4. Insert a new battery into the battery housing oriented with the negative end touching the spring.
5. Align the groove along the battery housing with the guide bump inside the PTBT3 case and slide the battery housing back in.
6. Screw the PTBT3 battery cap back on in a clockwise direction. **Do not over tighten.**



ROUTINE MAINTENANCE

- After each use **ALWAYS** rinse the sensor with clean water (preferably DI, RO, or purified water).
- **ALWAYS** replace the Protective Cap on the sensor after each use. DO NOT push the cap past the Cap Stop.
 - Make sure to fill the CAP half way with MLC Storage Solution.
- Do not drop, throw, or otherwise strike the PTBT3.
- Do not store the PTBT3 in a location where the ambient temperatures exceeds its Operating/Storage Temperature limits.
- Instructions for cleaning the PTBT3 sensor can be found in the PTBT3 Operation Manual on the Myron L® Company website.

MYRON L® COMPANY

2450 Impala Drive ♦ Carlsbad, CA 92010-7226 ♦ Phone: +1-760-438-2021
 E-Mail: Customer Service – info@myronl.com ♦ Technical Support – techquestions@myronl.com
 Website: www.myronl.com

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For more detailed instructions on making measurements, calibrating and maintaining the PTBT3, or changing settings and preferences, download the full PTBTX2OM Operation Manual found on the Myron L® Company website www.myronl.com, under the Downloads tab.

TO DOWNLOAD THE NEW PTBTX2 APP

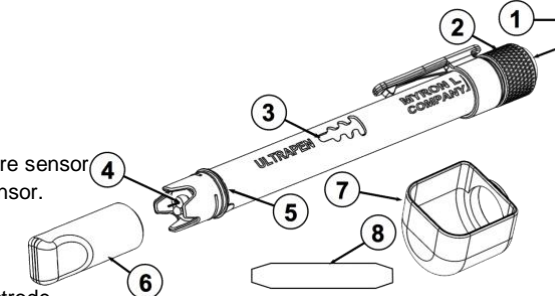


SYSTEM REQUIREMENTS

iOS device running iOS 10.0 or later.
 If you are using an iPad,
 Search for iPhone Apps
 Android device running OS 7.0 or later.

ULTRAPENx2™ PTBT3 LAYOUT

1. **PEN BUTTON** – Press to turn the PTBT3 ON and place it in Standby Mode.
2. **BATTERY CAP** – Unscrew to change battery.
3. **LED INDICATOR LIGHT** – Flashes rapidly when the PTBT3 is MEASURING and once every 5 seconds when the PTBT3 is in Standby mode.
4. **ORP SENSOR** – Contains electrode for ORP (Redox) measurement and temperature sensor
5. **CAP STOP** – Pushing the protective cap beyond the cap stop could damage the sensor.
6. **PROTECTIVE / HYDRATION CAP** – Protects sensor from damage and holds MLC Storage Solution to preserve sensor functionality.
7. **SCOOP** – Used to hold Sample Solution when dipping is not possible.
8. **ELECTRODE CLEANING PAPER** – Used for deep cleaning the platinum ORP electrode.



PTBTX2™ APP – FEATURE NAVIGATION BAR

This bar appears at the bottom of all screens. The buttons in this bar are used to navigate between the App's main functional areas.

MEASUREMENT – Returns the App to the Measurement screen.

MEMORY RECALL – Displays a list of saved measurements.

CALIBRATION – Places the App in Calibration Mode.

CONNECT – Opens the App's Bluetooth Connect / Disconnect screen.

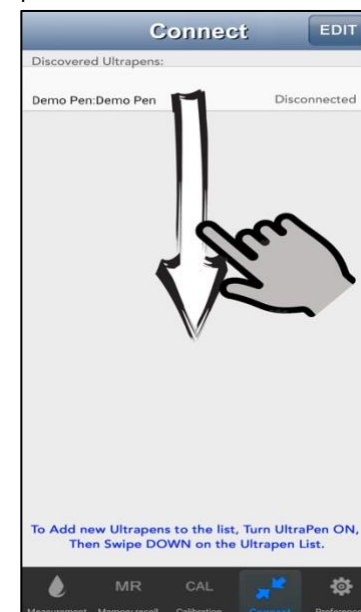
- Once a PTBT3 is connected to the App the button label says Disconnect.

PREFERENCES – Opens the App's Preferences & Settings Modes, including an internet link to the full Operation Manual (**HELP**).



STEP 1 – CONNECT THE PTBT3 TO THE APP

1. On your Device's Home Screen, tap the blue **PTBTX2** icon.
2. Tap the **CONNECT** button at the bottom of the App display
3. The App will switch to the **CONNECT** Screen.
4. Press and release the **PEN BUTTON** to turn the PTBT3 ON.



5. Swipe down on the screen. The PTBT3 will appear on the list.


6. Tap the PTBT3's name when it appears. Default: **MLC-PTBTX[Hexadecimal ID]**

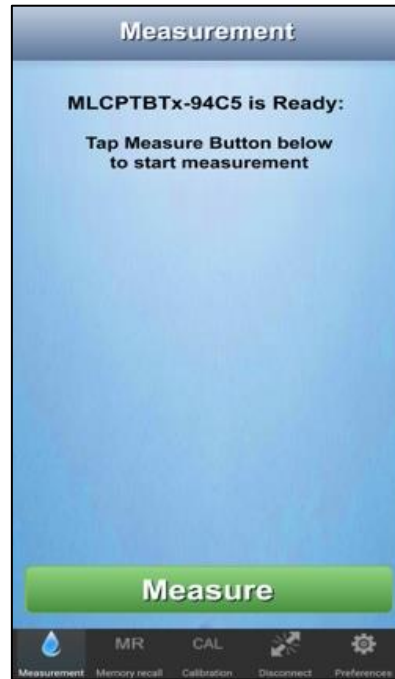
7. The PTBT3 will move to the top of the list and a check mark will appear.

NOTES:

- Some Mobile Devices switch their wireless transmitters to a low power mode when their battery level gets too low. This could affect how easily your PTBT3 and your device connect and communicate.
- **ALWAYS** keep your Mobile Device Charge Level as high as possible.

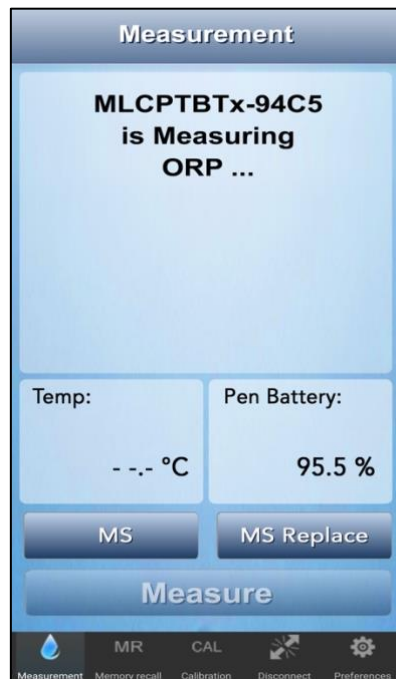
STEP 2 – MAKE A HOLD MODE MEASUREMENT

1. Dip the PTBT3 sensor in the Sample Solution.
2. Tap the MEASUREMENT button  in the Feature Navigation Bar.



3. If the PTBT3 is OFF this screen will appear.
4. Press the button on the PTBT3.

5. If the PTBT3 is ON and in Standby mode, this screen will appear. Tap the GREEN Measure button.



6. Swirl the pen in the Sample while the PTBT3 is measuring. The PTBT3's LED will flash rapidly.

7. When the PTBT3 completes the measurement the App will display the values.


TO USE THE SCOOP

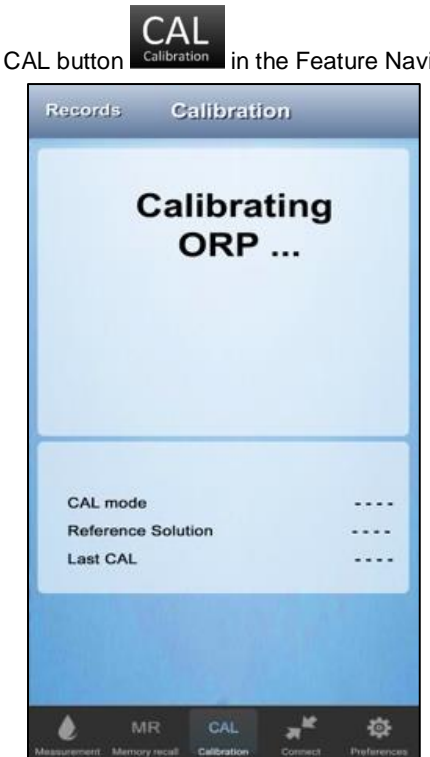
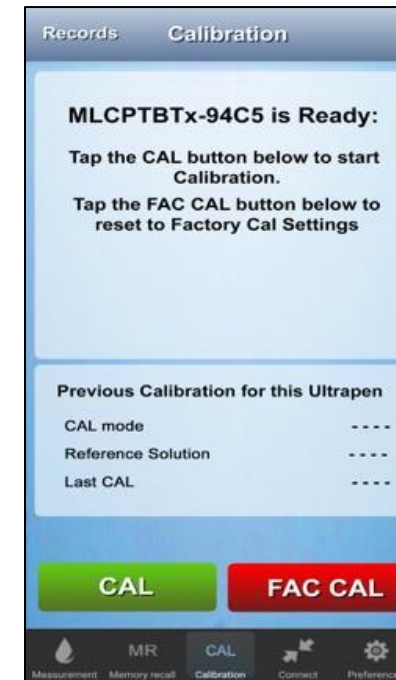
- Push the scoop onto the sensor while shifting it gently side-to-side.
- Hold the scoop directly under a vertical Sample stream while measuring. Avoid bubbles.
- To remove the scoop, pull it off while shifting it gently side-to-side.

- **MS Button**
Tap to record the last measurement.
- **MS Replace Button**
Tap to replace data in an existing record with data from the last measurement.

CALIBRATING THE PTBT3

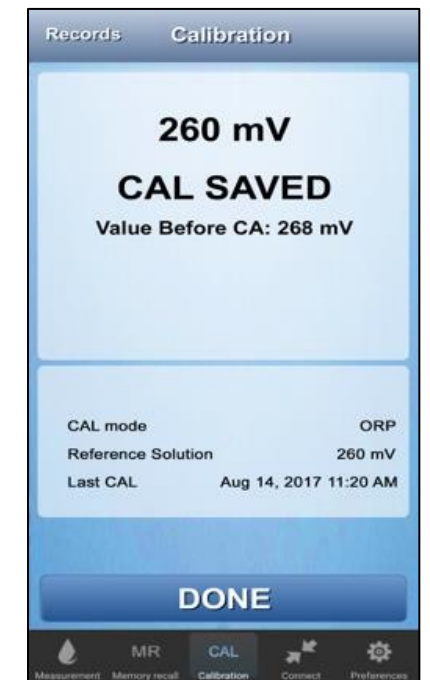
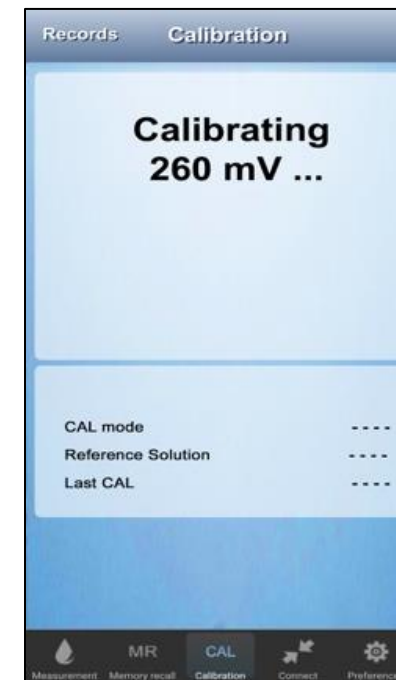
NOTE: Requires one of the following MLC Reference Solutions: 80mV Quinhydrone, 260mV Quinhydrone, or 470mV Light's Solution.

1. Rinse the PTBT3 sensor in Myron L® Company Calibration Solution.
2. Press and release the PEN BUTTON on the PTBT3 to turn it ON.
3. Tap the CAL button  in the Feature Navigation Bar.



4. Tap the CAL button.

5. Swirl the pen in the Calibration Solution while The PTBT3's LED is flashing rapidly.



6. The PTBT3 will verify the Calibration Solution is correct.

7. When the Calibration is done the App displays the values and saves a CAL record.

NOTE: **FAC CAL** resets the PTBT3 to factory settings, but **IT DOES NOT** account for current sensor condition.