

PTBT1

Conductivity/TDS/Salinity/Temperature

# ULTRAPENx2™ PTBT1

NEW!



For use with PTBTX2™  
Application and Your  
Mobile Device



## BENEFITS:

- Reliable Repeatable Results
- Affordable
- Rugged Design
- Reduce Waste
- Accurate
- Easy to Use
- Ensure Product Quality
- Protect the Environment

**Bluetooth®** Enabled

## HIGH PERFORMANCE FEATURES:

- Accuracy of  $\pm 1\%$  of READING,  $\pm 0.2\%$  at Calibration Point
- KCl, NaCl and 442 Natural Water™ Modes
- Automatic Temperature Compensation
- Autoranging
- Measurement Storage with Time, Date and Location
- Export Stored Measurement Data Via Email
- Proprietary Cell Design
- Rugged Design with Aircraft Aluminum Body
- Durable, Epoxy Encapsulated Electronics
- Powered by One N Type Battery (Included)
- Waterproof

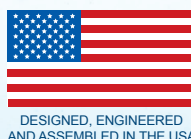
## PTBT1 COMES WITH:

- PTBT1 Pocket Tester Pen
- Battery Installed
- Protective Cap
- Scoop
- Pocket Clip
- Holster
- Lanyard
- Quick Start Guide

## Also Available ULTRAPENx2™

|       |                                                          |
|-------|----------------------------------------------------------|
| PTBT2 | pH & Temperature                                         |
| PTBT3 | ORP & Temperature                                        |
| PTBT4 | Free Chlorine Equivalent (FC) <sup>1</sup> & Temperature |
| PTBT5 | Dissolved Oxygen (DO) & Temperature                      |
| PTBT6 | Nitrate & Temperature                                    |
| PTBT7 | Chloride & Temperature                                   |

Actual Size



**MYRON L®  
COMPANY**  
Water Quality Instrumentation  
*Accuracy • Reliability • Simplicity*  
... Since 1957

## PTBT1 FUNCTIONS

| MODE     | PARAMETER                    | SOLUTION MODEL                                                     | UNITS                    |
|----------|------------------------------|--------------------------------------------------------------------|--------------------------|
| Cond KCl | Conductivity                 | potassium chloride                                                 | microsiemens ( $\mu$ S)  |
| TDS 442  | Total Dissolved Solids (TDS) | Myron L <sup>®</sup> Company, 442 Natural Water™ Standard Solution | parts per million (ppm)  |
| TDS NaCl | Total Dissolved Solids (TDS) | sodium chloride                                                    | parts per million (ppm)  |
| SAL 442  | Salinity (SAL)               | Myron L <sup>®</sup> Company, 442 Natural Water™ Standard Solution | parts per thousand (ppt) |
| SAL NaCl | Salinity (SAL)               | sodium chloride                                                    | parts per thousand (ppt) |

## SPECIFICATIONS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                         |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| System Requirements:                                                                                                                                                                                                                                                                                                                                                                                                                           | Myron L® Company PTBTX2™ App: Apple iOS 10.0 or later; Android OS 7.0 or later.                                                                                                         |  |  |
| Measurement Range:                                                                                                                                                                                                                                                                                                                                                                                                                             | Conductivity & TDS: 1-9999 μS or ppm; Salinity: 0.0010-9.999 ppt; Temperature: 0°-71°C / 32°-160°F                                                                                      |  |  |
| Accuracy (After Wet Calibration):                                                                                                                                                                                                                                                                                                                                                                                                              | ± 1% of Reading; Temperature: ± 0.1°C                                                                                                                                                   |  |  |
| Resolution:                                                                                                                                                                                                                                                                                                                                                                                                                                    | Conductivity and TDS: 0.1 for 1.0 - 99.9 μS or ppm<br>1 for 100 - 9,999 μS or ppm<br>Salinity: 0.0001 for 0.0010 - 0.0999 ppt<br>0.001 for 0.100 - 9.999 ppt<br>Temperature: 0.1°C / °F |  |  |
| Repeatability:                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 1000 μS or ppm ± 1 Count<br>≥ 1000 μS or ppm ± 0.3% of Reading                                                                                                                        |  |  |
| Time to Reading Stabilization:                                                                                                                                                                                                                                                                                                                                                                                                                 | 10 - 20 seconds                                                                                                                                                                         |  |  |
| Power Consumption:                                                                                                                                                                                                                                                                                                                                                                                                                             | Active Mode: 30 - 140 mA, Sleep Mode: 2 μA                                                                                                                                              |  |  |
| Temperature Compensation Method:                                                                                                                                                                                                                                                                                                                                                                                                               | Automatic to 25°C                                                                                                                                                                       |  |  |
| Physical Dimensions:                                                                                                                                                                                                                                                                                                                                                                                                                           | 17.15 cm L x 1.59 cm D or 6.75 in. L x .625 in. D                                                                                                                                       |  |  |
| Weight:                                                                                                                                                                                                                                                                                                                                                                                                                                        | 55 g or 1.94 oz.                                                                                                                                                                        |  |  |
| Case Material:                                                                                                                                                                                                                                                                                                                                                                                                                                 | Anodized Aircraft Aluminum with Protective Coating                                                                                                                                      |  |  |
| Battery Type:                                                                                                                                                                                                                                                                                                                                                                                                                                  | One N type, Alkaline 1.5 V                                                                                                                                                              |  |  |
| Calibration Standard Solution:                                                                                                                                                                                                                                                                                                                                                                                                                 | KCl: 1800 μS for COND; 442™: 3000 ppm (2027 ppm NaCl) for TDS and Salinity                                                                                                              |  |  |
| Operating/Storage Temperature:                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 - 55°C or 32 - 131°F                                                                                                                                                                  |  |  |
| Water Resistance:                                                                                                                                                                                                                                                                                                                                                                                                                              | IP67 and NEMA 6                                                                                                                                                                         |  |  |
| EN61236-1: 2006 - Annex A: 2008: Electrostatic discharge to the PTBT1 may cause it to spontaneously power ON. In this case, the PTBT1 will power OFF after several seconds.                                                                                                                                                                                                                                                                    |                                                                                                                                                                                         |  |  |
| FCC ID: T7VPAN17: The Bluetooth transceiver device meets the requirements for modular transmitter approval as detailed in FCC public Notice DA00-1407.                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                         |  |  |
| Canada (IC), license: IC: 216Q-PAN17: The Bluetooth transceiver device meets the requirements for modular transmitter approval as detailed in RSS-GEN.                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                         |  |  |
| <div><div></div><div><p><b>WARNING!</b> These products can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm.</p><p>For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>.</p></div></div> |                                                                                                                                                                                         |  |  |

## ACCESSORIES



The ULTRAPENx2™ PTBT1 uses the following solutions for wet calibration:

Order MODEL#s: KCL-1800, 442-3000 (2027 ppm NaCl)

## MYRON L<sup>®</sup> WARRANTY

The PTBT1, excluding the battery, has a one (1) year limited warranty.

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**Built On Trust.** Founded in 1957, the Myron L<sup>®</sup> Company is one of the world's leading manufacturers of water quality instruments. Because of our commitment to product improvement, changes in design and specifications are possible. You have our assurance any changes will be guided by our product philosophy: accuracy, reliability, and simplicity.

