

PTBT6

# Nitrate/Temperature

# ULTRAPENx2™ PTBT6



Actual Size

**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:

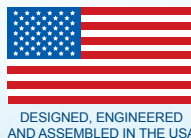
- Nitrate Concentration (ppm N or ppm NO<sub>3</sub><sup>-</sup>) or mV
- 1 and 2 Point Calibration Options
- Proprietary ISE Sensor Design
- Built-in Double Junction Reference Electrode
- Compatible with EPA Approved Standard Method 4500-NO<sub>3</sub><sup>-</sup>D
- Live or Hold Mode - User Selectable
- Measurement Storage with Time, Date and Location
- Export Stored Measurement Data Via Email
- Rugged Design with Aircraft Aluminum Body
- Durable, Epoxy Encapsulated Electronics
- Waterproof
- Powered by One N Type Battery (Included)

### PTBT6 COMES WITH:

- PTBT6 Pocket Tester Pen
- Battery Installed
- User Replaceable Nitrate Sensor – Installed
- 100 ppm NO<sub>3</sub><sup>-</sup>-N Standard Solution – 2 oz.
- Ionic Strength Adjuster (ISA) – 2 oz.
- Graduated Cylinder with Cap – 2 ea.
- 100 µL Pipette – with Tip
- Protective Cap
- Pocket Clip
- Quick Start Guide

### Also Available ULTRAPENx2™

- PTBT1** Conductivity, TDS, Salinity & Temperature
- PTBT2** pH & Temperature
- PTBT3** ORP & Temperature
- PTBT4** Free Chlorine Equivalent (FCl) & Temperature
- PTBT5** Dissolved Oxygen (DO) & Temperature



**MYRON L<sup>®</sup>  
COMPANY**  
Water Quality Instrumentation  
*Accuracy • Reliability • Simplicity*  
... Since 1957


## PTBT6 MEASUREMENT MODES

MODE	METHOD OF MEASUREMENT
Hold	Displays real-time readings until the LED turns solid ON, then displays final readings.
LIVE	Displays real-time readings continuously for up to 5 minutes.

## PTBT6 PARAMETER MODES

MODE	PARAMETER MEASURED
N	Display alternates between Nitrate as Nitrogen (NO <sub>3</sub> <sup>-</sup> -N), and Temperature
NO3	Display alternates between Nitrate (NO <sub>3</sub> <sup>-</sup> ), and Temperature
mV	Display alternates between millivolt (mV), and Temperature

## SPECIFICATIONS

System Requirements:	Myron L <sup>®</sup> Company PTBTX2™ App: Apple iOS 10.0 or later; Android OS 7.0 or later.		
Measurement Type	Nitrate as Nitrogen NO <sub>3</sub> <sup>-</sup> -N	Nitrate NO <sub>3</sub> <sup>-</sup>	Temperature
Ranges	1-1400 ppm	4.4-6200 ppm	0 - 71°C / 32 - 160°F
Accuracy <sup>1</sup>	± 10% of the reading	± 10% of the reading	± 0.1°C
Resolution	0.1 ppm for 1.0 to 99.9 ppm 1 ppm for 100 to 1400 ppm	0.1 ppm for 4.4 to 99.9 ppm 1 ppm for 100 to 6200 ppm	0.1°C/F
pH Range: 3-11 pH			
Time to Reading Stabilization: 10 - 180 seconds			
Power Consumption: Active Mode: 30 - 140 mA, Sleep Mode: 2 µA			
Physical Dimensions: 17.15 cm L x 1.59 cm D or 6.75 in. L x .625 in. D			
Weight: 54 g or 1.94 oz.			
Case Material: Anodized Aircraft Aluminum with Protective Coating			
Battery Type: N type, Alkaline 1.5 V			
Calibration Standard Solutions: 1, 10, 100, or 1000 ppm NO <sub>3</sub> <sup>-</sup> -N			
Operating / Storage Temperature: 0-40°C / 32-104°F <sup>2</sup>			
Enclosure Ratings: IP67 and NEMA 6			
EN61236-1: 2006 - Annex A: 2008; Electrostatic discharge to case of instrument may cause PTBT6 to spontaneously power ON. In this case, the PTBT6 will power OFF after several seconds.			CE
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.			
 <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. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .			

<sup>1</sup> Accuracy of measuring standard solutions after Temperature Controlled, 2-Point Calibration with one order of concentration difference.

<sup>2</sup> For extended life of the sensor, store the pen in a cool location (5-25°C)

## ACCESSORIES

### STANDARD SOLUTIONS FOR CALIBRATION:

The ULTRAPENx2™ PTBT6 can be calibrated with 1, 10, 100, or 1000 ppm NO<sub>3</sub><sup>-</sup>-N Calibration Solution

Order Models:

- N1SOL - 1 ppm NO<sub>3</sub><sup>-</sup>-N (Nitrate as Nitrogen) Standard Solution
- N10SOL - 10 ppm NO<sub>3</sub><sup>-</sup>-N (Nitrate as Nitrogen) Standard Solution
- N100SOL - 100 ppm NO<sub>3</sub><sup>-</sup>-N (Nitrate as Nitrogen) Standard Solution
- N1000SOL - 1000 ppm NO<sub>3</sub><sup>-</sup>-N (Nitrate as Nitrogen) Standard Solution

### IONIC STRENGTH ADJUSTER:

Order Model: NISASOL

### NITRATE INTERFERENCE SUPPRESSION BUFFER:

Order Model: NISBSOL

### REPLACEMENT NITRATE SENSOR:

Order Model: RPT6

## MYRON L<sup>®</sup> WARRANTY

The PTBT6, excluding the sensor and battery, has a one (1) year limited warranty. The Nitrate sensor has a six (6) month 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.

