

PT1

# Conductivity/TDS/Salinity/Temperature

## ULTRAPEN™ PT1



Actual Size

### BENEFITS:

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

### 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
- Proprietary Cell Design
- Easy to Use - One Button Control
- Rugged Design with Aircraft Aluminum Body
- Durable, Fully Encapsulated Electronics
- Waterproof
- Powered by One N Type Battery (Included)

### PT1 COMES WITH:

- PT1 Pocket Tester Pen - Battery Installed
- Protective Cap
- Scoop
- Pocket Clip
- Holster
- Lanyard
- Quick Start Guide

### ALSO AVAILABLE!

**ULTRAPEN™ PT2**  
pH & Temperature



**ULTRAPEN™ PT3**  
ORP & Temperature



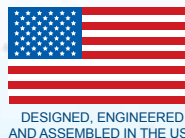
**ULTRAPEN™ PT4**  
Free Chlorine Equivalent (FC<sup>5</sup>)  
& Temperature



**ULTRAPEN™ PT5**  
DO (Dissolved Oxygen)  
& Temperature



**ULTRAPEN™ PT6**  
Nitrate  
& Temperature





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

## PT1 FUNCTIONS

| MODE      | PARAMETER                    | SOLUTION MODEL                      | UNITS                    |
|-----------|------------------------------|-------------------------------------|--------------------------|
| Cond KCl  | Conductivity                 | potassium chloride                  | microsiemens ( $\mu$ S)  |
| tdS 442   | Total Dissolved Solids (TDS) | 442™ Myron L Natural Water Standard | parts per million (ppm)  |
| tdS NaCl  | Total Dissolved Solids (TDS) | sodium chloride                     | parts per million (ppm)  |
| SALt 442  | Salinity                     | 442™ Myron L Natural Water Standard | parts per thousand (ppt) |
| SALt NaCl | Salinity                     | sodium chloride                     | parts per thousand (ppt) |

## SPECIFICATIONS

|   |  |
|---|--|
| Measurement Range:  | 1 - 10000 $\mu$ S or ppm (0.0010 - 10.000 ppt salinity)  |
| Accuracy (After Wet Calibration):   | $\pm$ 1% of reading  |
| Repeatability:  | < 1000 $\mu$ S or ppm $\pm$ 1 Count<br>$\geq$ 1000 $\mu$ S or ppm $\pm$ 0.3% of reading                          |
| Resolution:   | Conductivity and TDS:<br>0.1 for 1.0 - 99.9 $\mu$ S or ppm<br>1 for 100 - 10000 $\mu$ S or ppm                   |
|   | Salinity:<br>0.0001 for 0.0010 - 0.0999 ppt<br>0.001 for 0.100 - 10.000 ppt                                      |
|   | Temperature:<br>0.1°C / 0.1°F  |
| Time to Reading Stabilization:  | 10 - 20 seconds  |
| Power Consumption:  | Active Mode: 30 - 140 mA, Sleep Mode: 2 $\mu$ A  |
| Sleep Mode Power Consumption:   | 2 $\mu$ A  |
| Temperature Measurement Range:  | 0 - 71°C or 32 - 160°F   |
| Temperature Accuracy:   | $\pm$ 0.1°C  |
| Temperature Compensation:   | 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, 1.5V   |
| Calibration Solution Point:   | 1800 $\mu$ S KCl; 3000 ppm 442™ (2027 ppm NaCl)  |
| Operating/Storage Temperature:  | 0 - 55°C or 32 - 131°F   |
| Water Resistance:   | IP67 and NEMA 6  |
| <br>EN61236-1: 2006 - Annex A: 2008  | Electrostatic discharge to the PT1 may cause it to spontaneously turn on. If this occurs, the PT1 will turn off. |
|  <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.<br>For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> . |  |

## ACCESSORIES

### STANDARD SOLUTIONS FOR CALIBRATION:

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

## MYRON L® WARRANTY

The PT1, excluding the battery, has a one (1) year limited warranty.

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**Built On Trust.** Founded in 1957, the Myron L® 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.

