

# ULTRAPEN™ PT1

## Conductivity/TDS/Salinity & Temperature Pen

### *Professional Water Analysis*

#### **HIGH PERFORMANCE FEATURES**

- Accuracy of  $\pm 1\%$  of READING  $\pm 0.2\%$  at Calibration Point
- Reliable Repeatable Results
- KCl, NaCl and 442™ Natural Water Modes
- Automatic Temperature Compensation
- Autoranging
- Durable, Fully Encapsulated Electronics
- Waterproof
- Powered by One N Type Battery (included)

#### **PT1 COMES WITH:**

- PT1 Pocket Tester Pen - Battery installed
- Scoop
- Protective Cap
- Pocket Clip
- Holster
- Lanyard
- Operating Instructions

CE

instrument shown larger than actual size




**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	TDS	sodium chloride	ppm
SALt 442	Salinity	442™ Myron L Natural Water Standard	parts per thousand (ppt)
SALt NaCl	Salinity	sodium chloride	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 $\geq$ 1000 $\mu$ S or ppm $\pm$ 0.3% of reading
Resolution:	Conductivity and TDS: 0.1 for 1.0 - 99.9 $\mu$ S or ppm 1 for 100 - 10000 $\mu$ S or ppm
	Salinity: 0.0001 for 0.0010 - 0.1000 ppt 0.001 for 0.100 - 10.000 ppt
	Temperature: 0.1 $^{\circ}$ C / 0.1 $^{\circ}$ F
Time to Reading Stabilization:	10 - 20 seconds
Active Mode Power Consumption:	30 - 100 mA
Sleep Mode Power Consumption:	2 $\mu$ A
Temperature Measurement Range:	0 - 71 $^{\circ}$ C or 32 - 160 $^{\circ}$ F
Temperature Accuracy Displayed:	$\pm$ 0.1 $^{\circ}$ C or $\pm$ 0.1 $^{\circ}$ F
Temperature Compensation Method:	Automatic to 25 $^{\circ}$ 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 $^{\circ}$ C or 32 - 131 $^{\circ}$ F
Water Resistance:	IP67 and NEMA 6
 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.

## ACCESSORIES

### Standard Solutions for calibration:

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

## MYRON L WARRANTY

Excepting the battery, the Myron L PT1 Conductivity/TDS/Salinity Pen is warranted to be free from manufacture defect for 1 year.

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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.

