

# TECHPRO II™ TH1

## Measuring pH and Temperature



**IP67/ NEMA 6 Waterproof**  
**Measures 0 - 14 pH**  
**User-replaceable, Long-Life**  
**Internal pH Sensor**  
**Auto Temperature**  
**Compensation to 25°C / 77°F**  
**User-Friendly**



### **BENEFITS:**

- *Saves Time*
- *Saves Money*
- *Ensures Product Quality*

### **FEATURES:**

- *Memory storage (20 readings)*
- *Prompts for simple pH calibration*
- *Internal Sensor to prevent breakage*
- *Auto shut-off for longer battery life*
- *Lightweight and fits in the palm of your hand*
- *Waterproof case*

### **APPLICATIONS:**

- *Water/Wastewater Treatment*
- *Boilers & Cooling Towers*
- *Reverse Osmosis*
- *Aquaculture*
- *Paper & Printing Industry*
- *Swimming Pools & Spas*
- *Plating and Parts Washing*
- *Agriculture*
- *Process Control*
- *Food & Beverage*

### **ACCURATE READINGS** **IN 2 EASY STEPS**



**1**

*Rinse and fill cell cup*



**2**

*Push button to display reading*

### **MEASUREMENTS YOU CAN** **COUNT ON**

Obtain reliable and accurate measurements of your water source with the value-priced TechPro II.

Ideal for water treatment testing as well as other industrial and commercial applications, the TH1 reflects Myron L's 40-plus years experience designing and manufacturing water quality instrumentation.

### **PORTABLE & EASY TO USE**

The TechPro II TH1 is handheld, lightweight and simple to operate. Measuring pH and temperature, the highly stable circuitry delivers the accurate readings necessary to assure product quality, prevent equipment damage or verify in-line instrumentation in a wide range of applications. This model is designed with an internal sensor to prevent breakage and prolong the sensor's useful life. The rugged, waterproof case protects the electronics of the instrument and fits comfortably in your hand. This model also features auto shut-off to prolong battery life.

Industrial and commercial users all over the world rely on Myron L's proven quality instruments for their water measurement needs.

To find out more about TechPro II TH1 or locate the distributor nearest you, visit: [www.myronl.com](http://www.myronl.com)

**MYRON L**  
**COMPANY**  
Water Quality Instrumentation  
*Accuracy • Reliability • Simplicity*

## SPECIFICATIONS

<b>Display</b>	4 Digit Liquid Crystal Display
<b>Dimensions</b>	196 x 68 x 64 mm/ 7.7 x 2.7 x 2.5 in.
<b>Weight</b>	320 g/11.2 oz.
<b>Case/Cell Material</b>	ABS
<b>pH Sensor Well Capacity</b>	1,2 ml/0.04 oz.
<b>Power</b>	9V alkaline battery
<b>Battery Life</b>	>100 hours (5000 readings)

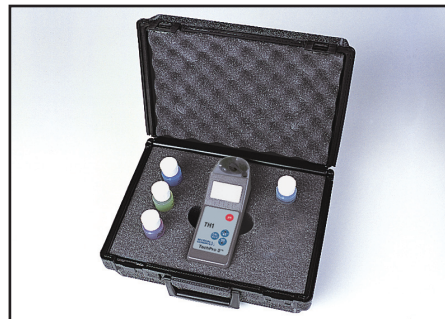
<b>Operating/Storage Temperature</b>	0 – 55°C/32 – 132°F
<b>Protection Ratings</b>	IP67/NEMA 6 (Waterproof to 1 meter/3 ft.)
<b>pH Range</b>	0 – 14 pH
<b>Temperature Range</b>	0 – 71°C/32 – 160°F Compensated to 25°C/77°F
<b>Accuracy:</b>	
<b>pH</b>	± 0.01 pH
<b>Temperature Reading</b>	± 0.1°C/F



The TechPro II Line of Accessories: pH Buffers, Storage Solution, Replacement pH Sensor, & choice of Soft or Hard Protective Carry Case



The pH sensor chamber protects a large-capacity, long-life KCl reservoir.



The foam-lined case, model PKP, provides extra protection and portability, making it easier to carry your TechPro II instrument in the field.

## ACCESSORIES

### Porta-Kit

This hard protective carry case is a rugged, all plastic foam-lined case that includes 2 oz. each pH 4, 7 & 10 Buffers and pH Sensor Storage Solution.

Model: PKP

### Hard Protective Case

Small foam-lined protective carry case.

Model: UPP

### Soft Protective Case

Constructed of padded nylon and features a belt clip for hands-free mobility.

Model: UCC (Blue),  
UCCDT (Desert Tan)

### Replacement pH Sensor:

Non-refillable KCl gel-filled combination pH sensor featuring a chemical resistant, porous liquid junction.

Model: RPG

### NIST Standard Solutions and pH Buffers:

All Myron L Instruments are factory calibrated with Standard Solutions of known pH Buffer values 4, 7 and 10. These buffers are traceable to the U.S. Government's National Institute of Standards and Technology primary solutions. Periodic recalibration with the appropriate pH Buffers will help maintain the accuracy of your instrument.

### pH Buffer Solutions

PH4 pH 4 (red)  
PH7 pH 7 (yellow)  
PH10 pH 10 (blue)  
SS pH Sensor Storage Solution

Example: To order 1 qt./1L of pH 4, order # PH4Q.

### NIST Certification:

Certificates are available that confirm NIST traceability of an instrument (Order #MC) or pH Buffer (Order #SC).

**Note:** Both MC instrument certificates and/or SC pH Buffer Solution certificates must be specified when placing instrument/solution orders.

## LIMITED WARRANTY

All Myron L TechPro II TH1 Instruments have a Two (2) Year Limited Warranty, excluding the pH sensors, which have a Six (6) Month Limited Warranty. Warranty is limited to the repair or replacement of the TechPro II TH1 Instrument only, at our discretion. The Myron L Company assumes no other responsibility or liability.

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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.





# TECHPRO II™

Measuring Conductivity, TDS, pH and Temperature



**TP1**      **TPH1**

**FEATURES:**

- Waterproof & Buoyant
- Keypad Calibration
- 0 - 20,000 µS/ppm
- 0 - 14 pH
- Long Life Internal Electrodes
- Full 4 Digit Display
- Auto Temperature Compensation to 25°C/77°F
- User Friendly

CE

IP67/NEMA 6

## ACCURATE READINGS IN 2 EASY STEPS



Rinse and fill cell cup



Push button to display reading

## APPLICATIONS:

- Boilers & Cooling Towers
- Reverse Osmosis
- Fountain Solutions
- Swimming Pools & Spas
- Plating and Parts Washing
- Pulp and Paper
- Plus many more!

## MEASUREMENTS YOU CAN COUNT ON

Obtain reliable and accurate measurements of your water source with the value-priced TechPro II™. Ideal for water treatment testing as well as other industrial and commercial applications, these instruments reflect Myron L's 40-plus years experience designing and building quality conductivity, TDS and pH measuring instrumentation.

## PORTABLE & EASY TO USE

The TechPro II is handheld, lightweight and simple to operate. Measuring conductivity, TDS, pH and temperature, the highly stable circuitry



delivers the accurate readings needed to assure product quality, prevent equipment damage or verify in-line instrumentation in a wide range of applications. The TPH1 is designed with an

internal pH sensor to prevent breakage and prolong the sensor's useful life. The rugged, waterproof case on both models protects the electronics of the instrument and fits comfortably in your hand. This model also features auto shut-off to prolong battery life.

Industrial and commercial users all over the world rely on Myron L's proven quality instruments for their water measurement needs.

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## SPECIFICATIONS

<b>Display</b>	4 Digit Liquid Crystal Display	<b>pH sensor well capacity</b>	1,2 ml/0.04 oz.
<b>Dimensions</b>	196 x 68 x 64 mm/7.7 x 2.7 x 2.5 in.	<b>Power</b>	9V alkaline battery
<b>Weight</b>	320 g/11.2 oz.	<b>Battery life</b>	>100 hours (5000 readings)
<b>Case/Cell material</b>	ABS	<b>Operating/storage Temperature</b>	0 – 55°C/32 – 132°F
<b>Cond/TDS cell capacity</b>	5 ml/0.2 oz.	<b>Protection ratings</b>	IP67/NEMA 6 WATERPROOF

## PARAMETERS

Model	RANGES				ACCURACY		
	Conductivity	TDS	pH	TC - 25°C/77°F	Conductivity/TDS	pH	Temperature Reading
TP1	0 – 9999 $\mu$ S 10 – 20.00 mS	0 – 9999 ppm 10 – 20.00 ppt	—	0 – 71°C 32 – 160°F	±1% of reading	—	±0.1°C/F
TPH1	0 – 9999 $\mu$ S 10 – 20.00 mS	0 – 9999 ppm 10 – 20.00 ppt	0 – 14	0 – 71°C 32 – 160°F	±1% of reading	±0.02 pH	±0.1°C/F



The TechPro Line of Accessories: pH Buffers, Standard Solution, Replacement pH Sensor, & choice of Soft or Hard Protective Carry Case



The pH sensor chamber protects a large-capacity, long life KCl reservoir.



This foam-lined case (model PKU) provides extra protection and portability, making it easier to carry your TechPro instrument in the field.

## ACCESSORIES

**Porta-Kit:** (Above) This hard protective carry case is a rugged all plastic foam-lined case that includes 2 oz. each pH 4, 7, & 10 Buffers, pH Sensor Storage Solution, and 442-3000 and KCl-7000. *Model: PKU*

**Hard Protective Case:** Small protective carry case. *Model: UPP*

**Soft Protective Case:** Constructed of padded nylon and features a belt clip for hands-free mobility. *Models: UCC (Blue), UCCDT (Desert Tan)*

### NIST Standard Solutions & pH Buffers:

All Myron L Instruments are factory calibrated with Standard Solutions of known conductivity/TDS value and (when appropriate) with pH buffer values 4, 7, and 10. These solutions and buffers are traceable to the U.S. Government's National Institute of Standards and Technology. Periodic recalibration with the appropriate Conductivity Standard Solution and pH Buffers will help maintain the accuracy of your instrument. See the following list for recommendations.

### Order # - Values:

(Specify Quarts or Gallons)

- 442-15 (15 ppm/24  $\mu$ S)
- 442-30 (30 ppm/47  $\mu$ S)
- 442-150 (150 ppm/229  $\mu$ S)
- 442-300 (300 ppm/445  $\mu$ S)
- 442-1000 (1000 ppm/1417  $\mu$ S)
- 442-1500 (1500 ppm/2060  $\mu$ S)
- 442-3000 (3000 ppm/3900  $\mu$ S)\*
- 442-15,000 (15,000 ppm/16,630  $\mu$ S)
- KCL-18 (18  $\mu$ S/11 ppm)
- KCL-70 (70  $\mu$ S/45 ppm)
- KCL-180 (180  $\mu$ S/116 ppm)
- KCL-700 (700  $\mu$ S/478 ppm)
- KCL-1800 (1800  $\mu$ S/1294 ppm)
- KCL-7000 (7000  $\mu$ S/5687 ppm)\*
- KCL-18,000 (18.00 mS/16,462 ppm)
- NACL-14.0 (14.0 mS/7864.7 ppm)

\* Recommended value

### pH Buffers:

- pH 4    • pH 10
- pH 7    • pH Sensor Storage Solution

**Replacement pH Sensor:** Non-refillable KCl gel-filled combination pH sensor featuring a chemical resistant, porous liquid junction. *Model: RPG*

**NIST Certification:** Certificates are available that confirm NIST traceability. Instrument Certificate:  
(Order #MC-TP1/MC-TPH1)

Standard Solution/pH Buffer Certificate:  
(Order #SC-XX)

**Note:** Both MC instrument certificates and/or SC solution certificates must be specified when placing instrument/solution orders.

### LIMITED WARRANTY

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