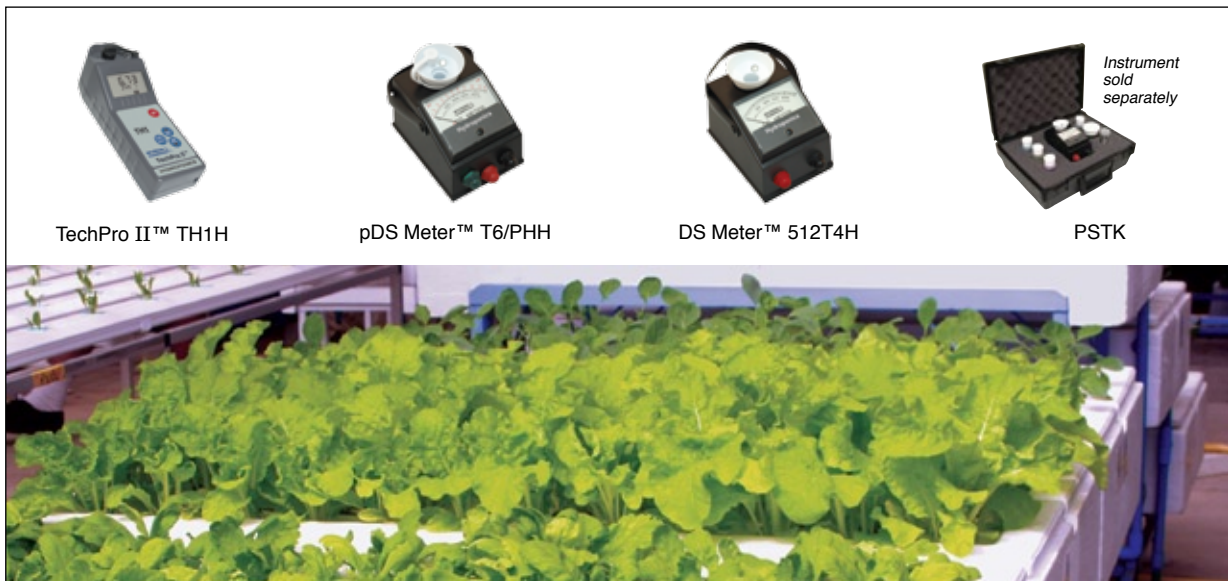


# HYDROPONICS INSTRUMENTATION

Handheld Meters, Monitors and Kit



TechPro II™ TH1H

pDS Meter™ T6/PHH

DS Meter™ 512T4H

PSTK

Instrument sold separately

## FEATURES

- *Handheld meters measure TDS and/or pH*
- *Monitor measures TDS*
- *All instruments are easy to operate and calibrate*
- *High degree of accuracy*
- *Immediate results*
- *Kit comes with solutions required to calibrate*
- *Temperature Compensated Readings*

## TDS MONITORING

The nutrient solution and its management are the foundation of a successful hydroponics system. The function of a hydroponics nutrient solution is to supply the plant roots with water, oxygen and essential mineral elements in soluble form.

A test of the Total Dissolved Solids (TDS) using the DS Meter or pDS Meter or continuous monitoring with the HYDRO-STIK gives the grower accurate measurements of the

concentration of nutrients in solution. If the concentration drops below the optimum level required to sustain and grow the plants, add more nutrient-rich solution until the desired concentration level is achieved. This prevents haphazard dosing and wasted solution, which minimizes costs to the grower.

## pH MONITORING

pH of the nutrient solution is also critical to successful plant growth. All elements have a specific solubility pH range. This means that mineral elements dissolve and can become more concentrated in solution within certain pH ranges. Roots absorb only the dissolved nutrients, so this is critical to plant growth. The TH1H and the pDS Meter quickly and easily measure pH.

Monitoring the addition of a pH balancing solution with the TH1H or the pDS Meter lets the grower precisely adjust the pH level.

Beyond affecting nutrient availability, extremely low or high pH can even damage or kill plants.

All Myron L TDS and pH instruments give lab-accurate results in the field.

All Myron L instruments use advanced Temperature Compensation (TC) circuitry and equations to give you the best TC correction available.

For additional information, please call +1-760-438-2021 or visit our website at [www.myronl.com](http://www.myronl.com).

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

## SPECIFICATIONS

<b>Model:</b>	<b>TechPro II™ TH1H</b>	
Range	0-14 pH	
Display	4 Digit Liquid Crystal Display	
Dimensions	196 x 68 x 64 mm / 7.7 x 2.7 x 2.5 in.	
Weight	320 g /11.2 oz.	
Case/Cell material	ABS	
pH sensor well capacity	1,2 ml/0.04 oz.	
Power	9V alkaline battery	
Battery life	>100 hours (5000 readings)	
Operating/storage temperature	0 - 55°C/32 - 132°F	
Protection ratings	IP67/NEMA 6 WATERPROOF	
Accuracy:	pH	±0.01 pH units
	Temperature	±0.1°C/F

<b>Models:</b>	<b>DS Meter™ 512T4H</b> <b>pDS Meter™ T6/PHH</b>	
Ranges:	ppm pH	0-2500 ppm/TDS 0-5000 ppm/TDS; 2-12 pH
Readout	2 1/2: taut-band shock resistant meter	
Units of Measure	parts per million (ppm)/TDS	
Accuracy:	TDS pH	±2% full scale ±0.2 pH units
Repeatability	±1%	
Temperature Compensation	Automatic to 25°C/77°F for TDS samples between 50° - 160°F/10 - 71°C	
Calibration controls	TDS pH Zero and pH Gain	
Electrodes (built-in)	Conductivity: Never need replatinizing pH: KCl gel-filled, field replaceable	
Cell Cup	Chip and crack resistant, polyethylene	
Circuitry	Very stable; requires minimal recalibration	
Power	9 volt battery supplied; good for 2000 test/ 1 year	
Dimensions	3.4 W x 4.5 D x 4.0 H in./ 86 x 114 x 102 mm	
Weight	0,45 kg / 1 lb.	

## LIMITED WARRANTY

Myron L Hydroponic Instruments have a Two (2) Year Limited Warranty (pH Sensors have a Six (6) Month Limited Warranty). If this system fails to function normally, return the faulty unit or the system to the factory prepaid. If, in the opinion of the factory, failure was due to materials or workmanship, repair or replacement will be made without charge. A reasonable service charge will be made for diagnosis or repairs due to normal wear, abuse or tampering. Warranty is limited to the repair or replacement of the Hydroponic Instruments only. 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.

