

Myron L[®] Meters & Taylor Calibration Solutions

INTRODUCTION

Taylor Technologies is pleased to offer several handheld meters manufactured by the Myron L[®] Company. Long synonymous with reliability in portable instrumentation, these **Myron L meters** are ideal for performing tests in the lab or on-site. Calibration solutions are also available for these instruments. Sold as reagent packs, these solutions come in a custom-molded polypropylene carrying case with room to store a meter. (Meters and calibration solution reagent packs are sold separately.)

Portable, extremely accurate, and simple to use, Myron L's **ULTRAPEN[™] pocket testers** are an ideal choice for measuring parameters such as electrical conductivity, pH, ORP, salinity, TDS, and temperature. Simply press a button and then dip the pen into a solution. Within seconds the results are displayed. These rugged, waterproof, shock-resistant pens are designed with solution modes and measurement ranges that will work in a variety of water applications. All three pens use a high-capacity N-type battery (included with purchase).

Taylor's R-0868-39C (Conductivity Solution 3900 μ S) may be substituted for Myron L's 442[™] Natural Water Standard for use with the PT1. Taylor buffer solutions 4.0, 7.0, and 10.0 and our pH soaker solution may be used with the PT2. The PT3 uses Myron L's ORP80, ORP260, and ORP470 calibration standard solutions.

Note: Meters come with a two-year manufacturer's warranty; ULTRAPEN pocket testers (excluding batteries), one year; ORP and pH sensors (meters and ULTRAPENS), six months.

POCKET TESTER PENS

- **M-6555: Myron L's ULTRAPEN PT1** measures electrical conductivity, salinity, TDS, and temperature and offers an accuracy of $\pm 1\%$ of reading, automatic temperature compensation, and autoranging.



- **M-6556:** The **PT2** measures pH, with an accuracy of ± 0.01 pH units, and temperature, with an accuracy of $\pm 0.1^\circ\text{C}/\pm 0.1^\circ\text{F}$. Highly stable microprocessor-based circuitry and automatic temperature compensation are just a few of the advanced features of the PT2 pocket tester.

- **M-6557:** Measuring ORP and temperature is a snap using **Myron L's PT3**. This high-performance instrument boasts three calibration options with automatic solution recognition, automatic temperature compensation, ORP accuracy of ± 10 mV, and temperature accuracy of $\pm 0.1^\circ\text{C}/\pm 0.1^\circ\text{F}$.



METERS

• **M-6530:** The Myron L **TechPro II™ TPH1** provides reliable readings for TDS, conductivity, pH, and temperature in two easy steps. Accuracy of TDS/conductivity measurement is $\pm 1\%$ of reading; temperature, $\pm 0.1^\circ\text{F}/^\circ\text{C}$; pH, ± 0.02 pH units. It's ideal for water treatment testing and other industrial and commercial applications. The TP1 is waterproof and buoyant, weighs only 11.2 oz., and is powered by one 9V battery that is good for more than 100 hours/5,000 readings.

Calibration solutions: **K-6530-RP***

• **M-6540:** Lightweight but durable, the **512T5** meter can determine the conductivity of almost any solution and converts it directly into a reading of parts per million of total dissolved solids (TDS). It provides fast readings with an accuracy of $\pm 2\%$ full scale and repeatability of $\pm 1\%$. It contains a built-in cell that is automatically temperature-compensated from 50°F – $160^\circ\text{F}/10^\circ\text{C}$ – 71°C . The meter features a 2.5-inch taut-band, shock-resistant readout. Very stable circuitry means minimal recalibration. The 512T5 weighs 1 lb. and is powered by a single 9V battery, providing readings for more than 2,000 tests.

Calibration solutions: **K-6540-RP***

* *Meters and Reagent Packs sold separately*



Meters can be purchased directly from Taylor if not available through Pool Supplies Distributors

METERS (CONT'D)

- **M-6542:** The dual-range Myron L **PoolMeter™ 512T5D** displays both TDS and sodium chloride (salt) values. It's a great instrument for making differential readings in high-salt pools and spas equipped with a chlorine generator. The 512T5D is completely self-contained with a built-in cell cup and sensors (no cables to tangle!). Its circuitry is sealed against moisture. The 9V battery is good for more than 2,000 tests. This unit weighs 1 lb.

Calibration solutions: **K-6542-RP ***

- **M-6560:** Accuracy of $\pm 2\%$ of full scale, repeatability of $\pm 1\%$, and a compact design set Myron L's **EP-10** conductivity meter apart from competitors' meters. Highlights include maximum protection for the internal pH and conductivity electrodes, a durable polyethylene cell cup, a shock-resistant 2.5-inch taut-band readout, minimal recalibration requirements, and a low-battery indicator. Automatic temperature compensation coupled with four micromho (microsiemen) ranges makes this instrument ideal for most water treatment applications. Note: Its low range will accurately test boiler condensate. The EP-10 is powered by a 9V battery good for more than 2,000 tests. It weighs 1 lb.

Calibration solutions: **K-6560-RP ***

** Meters and Reagent Packs sold separately*

Dual Ranges
for the
Pool/Spa Industry



more information available at www.MyronL.com

ALSO AVAILABLE

- **Syringe filter system** for removing color and turbidity from sample water. Start-up Pack (#9803, no filter discs included); filter discs of 2.5 μm (#6257) or 0.45 μm (#6261).
- **Color-coded buffer solutions** for instant, error-free recognition: pink (R-1099-04) for pH 4.0, yellow (R-1099-07) for pH 7.0, and blue (R-1099-10) for pH 10.0. All are available in various sizes. Prepared with high-purity water and American Chemical Society-grade chemicals using proven formulations, these solutions are standardized at 25°C against National Institute of Standards and Technology (NIST) Standard Reference Materials to ± 0.01 pH units. Like all Taylor reagents, these are labeled to comply with OSHA and “Right-to-Know” regulations.
- In addition to the color-coded buffer solutions mentioned that are commonly used to calibrate pH meters, Taylor also offers laboratory analysts **reference buffers without dye** ranging from pH 2.0 to pH 12.0 in the 16 oz. size (R-1099). The buffer solution pH 7.2 (R-7062), which is frequently sought by pool/spa testers, comes in the 16 oz. size.
- **pH Soaker Solution** to prolong the useful life of electrodes. When not in use, keep sensors hydrated with this soaker solution (R-0834), which is pH buffer 4.0 without dye to prevent fouling. Available in 2 oz. and 16 oz. sizes.
- Standard solutions in a range of sizes for **instrument calibration**: R-0868 for conductivity (50 μS , 500 μS , 1000 μS , 2500 μS , 3900 μS , and 5000 μS) and R-0968 for total dissolved solids (1000 ppm; equivalent to Myron L’s 442™).
- **Conductivity Neutralizing Solution** (R-7022), to neutralize alkalinity that interferes with conductivity readings, in 2 oz., 16 oz., and 128 oz. sizes.
- Replacement bottles of **DI Water** (R-0833) for cleaning testing apparatus in 2 oz., 32 oz., and 128 oz. sizes.
- **Demineralizer Bottle** (R-0804-DD) for making your own demineralized water on-site.
- **Manual colorimetric and titrimetric tests** for many commercial and industrial applications, including boilers and cooling systems, as well as replacement parts, labware, and carrying cases in several sizes.
- **TTi® Colorimeter Series** (M-2000 for pool/spa analysts, M-3000 for industrial water treaters).
- Toll-free technical assistance at **800-TEST KIT**.

Meter/ Reagent Pack	Tests						Solutions	Casing
	pH	Temp.	Conductivity	Total Dissolved Solids (TDS)	Sodium Chloride (Salt)	ORP		
M-6530 (model TPH1)/ K-6530-RP	0–14	32°F–160°F/ 0°C–71°C	0–9999 μS or 10–20.00 mS in 3 autoranges	0–9999 ppm; 10–20.00 ppt in 3 autoranges			pH buffers 4, 7, 10; pH soaker solution; conductivity solution 2500 μS ; DI water	waterproof
M-6540 (model 512T5)/ K-6540-RP				0–5000 ppm			TDS solution 1000 ppm; DI water	not sealed
M-6542 (model 512T5D)/ K-6542-RP				0–5000 ppm	0–5000 ppm		TDS solution 1000 ppm; DI water	not sealed
M-6560 (model EP-10)/ K-6560-RP			0–10,000 μm				conductivity solution 2500 μS ; DI water	not sealed
Pocket Tester Pens								
M-6555 (model PT1)		32°F–160°F/ 0°C–71°C	1–10,000 μS	1–10,000 ppm	0.0010– 10.000 ppt			waterproof
M-6556 (model PT2)	0–14	32°F–160°F/ 0°C–71°C						waterproof
M-6557 (model PT3)		32°F–160°F/ 0°C–71°C				-1000 mV to +1000 mV		waterproof