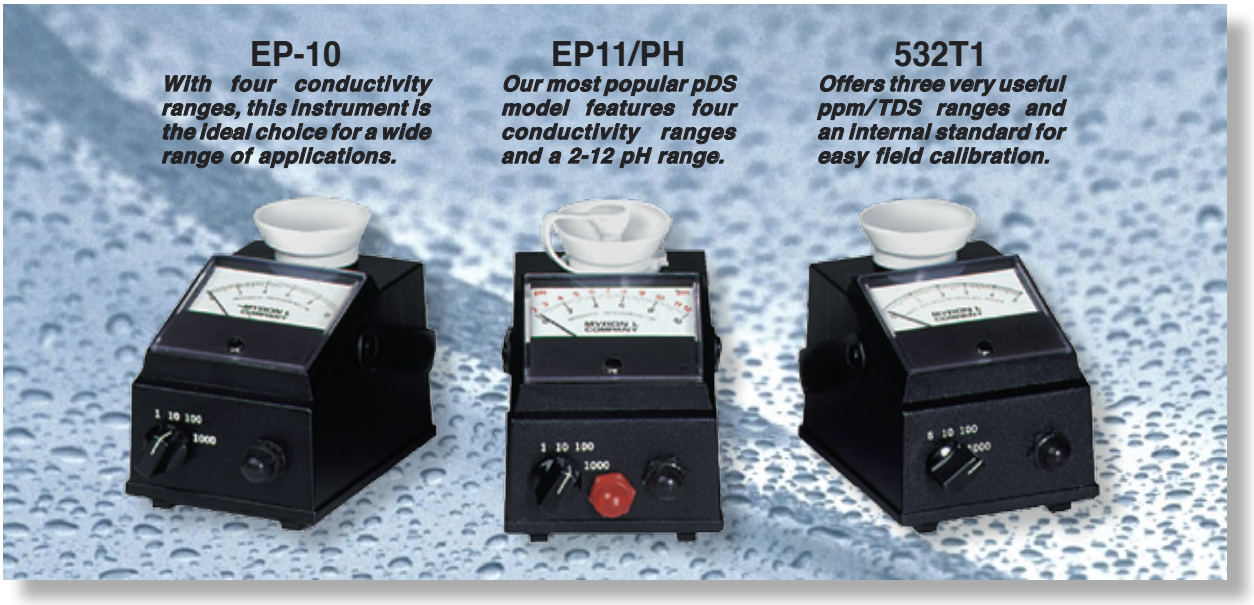
DS and pDS METERS™

Conductivity and pH for Professionals

VORTEX

OVER 50 YEARS

MADE IN USA



ACCURATE READINGS IN 3 EASY STEPS

Rinse and fill cell cup

Select Conductivity/TDS range

Push button to indicate reading

APPLICATIONS

- *Boilers & cooling towers*
- *Deionization*
- *Reverse osmosis*
- *Chemical concentrations*
- *Printing fountain solutions*
- *Swimming pools & spas*
- *Water pollution control*
- *Wastewater*

READINGS YOU CAN COUNT ON

No water supply is completely pure. Every industrial, commercial, or natural source contains dissolved solids or salts. These impurities contribute to scale, corrosion, poor taste, and environmental pollution that endanger animal and plant life.

Myron L Company has two proven ways to measure such impurities. Our DS Meters™ provide fast, accurate, on-the-spot measurements of Total Dissolved Solids (TDS) or Conductivity. pDS Meters™ test Conductivity or TDS plus pH. Readings from their highly stable circuitry help assure product quality, prevent equipment damage and verify in-line instrumentation in a wide range of applications, some of which are listed above.

RELIABILITY BUILT IN

Breakage is one of the major causes of sensor failure in a typical pH or conductivity instrument. Myron L instruments provide maximum protection for both the pH and conductivity electrodes inside the cell cup. The user-replaceable pH electrode features a chemical-resistant, porous liquid junction.

UNIQUE FIELD-TESTED DESIGN

Our unique, durable, field-tested design has evolved over more than 40 years, making Myron L instruments among the most reliable and popular of their kind in the world.

They're lightweight and compact, yet Myron L's DS and pDS Meters are also tough, with rugged, taut-band meter movements.

Put our meters to the test. Even after years of rough field service, they'll surpass your expectations of accuracy, reliability and simplicity.

MYRON L COMPANY

Water Quality Instrumentation

Accuracy • Reliability • Simplicity

SPECIFICATIONS

Ranges:	**Conductivity**	1, 3, 4 or 5 depending on model
	pH	2-12 pH (pDS Meters only) (see table below)
Readout		2½ in. taut-band shock resistant meter
Units of Measure*		Choice of parts per million (ppm) TDS or micromhos (μM)/microsiemens (μS) conductivity
Accuracy:	**Conductivity**	±2% full scale
	pH	±0.2 pH units
Repeatability		±1%
Temperature Compensation		Automatic (to 25°C/77ºF) for conductivity samples between 10-71°C/50-160°F

Calibration Controls	Conductivity 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	One 9 volt battery supplied; Battery Life: >2000 tests/1 year
Dimensions	3.4 W x 4.5 D x 4.0 H in./ 86 W x 114 D x 102 H mm
Weight	1 lb./0,45 kg

** 1 μM (micromho) = 1 μS (microsiemen)*

DS METERS

pDS METERS

Model:	**512T4***	**512M5***	**512T5***	**512T10***	**532M1***	**532T1***	**532T2***	**EP-10**	**EP**	**T6/PH***	**M6/PH**	**T2/PH***	**EP11/PH**
Range (s):	0-2500	0-5000	0-5000	0-10,000	0-50	0-50	0-25	0-10	0-0.5	2-12 pH	2-12 pH	2-12 pH	2-12 pH
					0-500	0-500	0-250	0-100	0-5	0-5000	0-5000	0-50	0-10
					0-5000	0-5000	0-2500	0-1000	0-50			0-500	0-100
								0-10,000	0-500			0-5000	0-1000
Units									0-5000				0-10,000
Measured:	ppm**	μM	ppm	ppm**	μM	ppm	ppm	μM	μM, MΩ	pH, ppm	pH, μM	pH, ppm	pH, μM
Recommended NIST Standard Solutions: (All pDS Models Also Use 4, 7, 10 pH Buffers)													
Key (see below):	F	G	G	O	B,D,G	B,D,G	A,C,F	K,M,O	B,D,G	G	G	B,D,G	K,M,O

** These models feature the Internal Standard for easy field conductivity calibration and range doubling.*

*** Also available in micromhos*

ACCESSORIES

NIST Standard Solutions & pH Buffers

All Myron L instruments are factory calibrated with Standard Solutions of known conductivity/TDS values 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.

Porta-Kit with EP11/PH

Periodic recalibration with the appropriate Standard Solutions and pH Buffers will help maintain the accuracy of your instrument. See the table above for recommendations.

Note: pH 7 Buffer is especially important and should be used every 1- 2 weeks.

Conductivity & Buffer Solutions

KEY - ORDER # - VALUES

(Specify Quarts, Gallons or 2 oz. bottles)*

A	442-15	(15 ppm/24 μS)
B	442-30	(30 ppm/47 μS)
C	442-150	(150 ppm/229 μS)
D	442-300	(300 ppm/445 μS)
E	442-1000	(1000 ppm/1417 μS)
F	442-1500	(1500 ppm/2060 μS)*
G	442-3000	(3000 ppm/3900 μS)*
H	442-15000	(15,000 ppm/16,630 μS)
I	442-30000	(30,000 ppm/30,100 μS)
J	KCL-18	(11 ppm/18 μS)
K	KCL-70	(45 ppm/70 μS)
L	KCL-180	(116 ppm/180 μS)
M	KCL-700	(478 ppm/700 μS)
N	KCL-1800	(1294 ppm/1800 μS)*
O	KCL-7000	(5687 ppm/7000 μS)*
P	KCL-18000	(16,462 ppm/18,000 μS)

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. of pH 4, order # PH4Q.

**Values available in 2 oz. bottles*

Range Extender increases the Conductivity/TDS range by a factor of 10 when inserted into the sample-filled cell cup. Not available for model 512T10. *Model: RE-10*

Porta-Kit (pDS only) Hard foam-lined case with 2 oz. bottles of pH Buffers 4, 7 and 10 and Conductivity Standard Solution. *Model: PK3 for models M6/PH, T2/PH & T6/PH; Model: PK7 for EP11/PH.*

Porta-Pak Carry Case can be used with all DS and pDS meters. Hard foam-lined case molded of sturdy ABS plastic. No solutions/buffers included. *Model: PTP*

Replacement pH Sensor is a unique non-refillable KCl gel-filled combination pH electrode, featuring a porous liquid junction. *Model: RPY*

NIST Certification: Certificates are available that confirm NIST traceability of an instrument (Order #MC) or Standard Solution/pH Buffer (Order #SC). *Note:* Both MC Certificates and/or SC Solution Certificates must be specified when placing instrument/solution orders.

LIMITED WARRANTY: All Myron L DS Meters and pDS Meters have a Two Year Limited Warranty, excluding the pH sensors, which have a Six Month Limited Warranty. If your unit fails to function normally, return it 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 DS Meter or pDS Meter 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.

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