



EQUIPOS DE LABORATORIO

DS and pDS METERS Conductivity and pH for Professionals

PX-185-XXX

APPLICATIONS

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



EP-10 With four conductivity ranges, this instrument is the ideal choice for a wide range of applications.



EP11/PH Our most popular pDS model features four conductivity ranges and a 2-12 pH range.



532T1 Offers three very useful ppm/ TDS ranges and an internal standard for easy field calibration.

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.

ACCURATE READINGS IN 3 EASY STEPS



Rinse and fill cell cup



Select Conductivity/TDS



Push button to indicate reading





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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 we recommend. 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 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.

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 Mod: 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.

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 Automatic (to 25° C/77°F) for conductivity

Compensation samples between 10-71°C/50-160°F

Calibration Conductivity

Controls 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

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)

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





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DS CONDUCTIVITY / TDS METERS

	CODIGO	Description
	PX-185-512M2	DS Conductivity Meter: 0-50 $\mu\text{M}/\mu\text{S}$
	PX-185-512M3	DS Conductivity Meter: 0-500 $\mu\text{M}/\mu\text{S}$
	PX-185-512M4	DS Conductivity Meter: 0-2500 $\mu\text{M}/\mu\text{S}$
	PX-185-512M5	DS Conductivity Meter: 0-5000 $\mu\text{M}/\mu\text{S}$
	PX-185-512M10	DS Conductivity Meter: 0-10,000 $\mu\text{M}/\mu\text{S}$
	PX-185-512T2	DS TDS Meter: 0-50 ppm
	PX-185-512T3	DS TDS Meter: 0-500 ppm
	PX-185-512T4	DS TDS Meter: 0-2500 ppm
	PX-185-512T4H	HYDROPONICS™ DS TDS Meter: 0-2500 ppm
	PX-185-512T5	DS TDS Meter: 0-5000 ppm
	PX-185-512T5D	POOLMETER™ DS TDS Meter: 0-5000 ppm/442, 0-5000 ppm/NaCl
	PX-185-512T10	DS TDS Meter: 0-10,000 ppm





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CODIGO	Description
 PX-185-512T10	DS TDS Meter: 0-10,000 ppm
 PX-185-532M1	DS Conductivity Meter: 0-50, 500, 5000 $\mu\text{M}/\mu\text{S}$
 PX-185-532T1	DS TDS Meter: 0-50, 500, 5000 ppm
 PX-185-532T2	DS TDS Meter: 0-25, 250, 2500 ppm
 PX-185-AG-5	AGRI-METER™ DS Conductivity Meter: 0-5 millimhos
 PX-185-D1	DIALYSATE METER™ DS Conductivity Meter: 11-15 millimhos
 PX-185-D-2	DIALYSATE METER™ DS Conductivity Meter: 0-10 & 0-20 millimhos
 PX-185-EP-10	DS Conductivity Meter: 0-10, 100, 1000, 10,000 $\mu\text{M}/\mu\text{S}$
 PX-185-EP	DS Conductivity/Resistivity Meter: 0-0.5, 5, 50, 500, 5000 $\mu\text{M}/\mu\text{S}$; 2-30 $\text{M}\Omega$
 PX-185-RO-1	RO METER™ DS TDS Meter: 0-1250 ppm (with color band)
 PX-185-RO-1NC	RO METER™ DS TDS Meter: 0-1250 ppm (no color band)











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pDS pH/CONDUCTIVITY / TDS METERS

CODIGO	Description
 PX-185-AG6/PH	AGRI-METER™ pDS pH/Conductivity Meter: 0-5 millimhos; 2-12 pH
 PX-185-EP11/PH	pDS pH/Conductivity Meter: 0-10, 100, 1000, 10,000 $\mu\text{M}/\mu\text{S}$; 2-12 pH
 PX-185-M6/PH	pDS pH/Conductivity Meter: 0-5000 $\mu\text{M}/\mu\text{S}$; 2-12 pH
 PX-185-T2/PH	pDS pH/TDS Meter: 0-50, 500, 5000 ppm; 2-12 pH
 PX-185-T6/PH	pDS pH/TDS Meter: 0-5000 ppm; 2-12 pH
 PX-185-T6/PHH	HYDROPONICS™ pDS pH/TDS Meter: 0-5000 ppm; 2-12 pH



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