

TechPro™ Instruments

Conductivity/TDS, pH and Temperature



AR1
Conductivity/TDS
and Temperature.

pH1
pH and Temperature.

ARH1
Conductivity/TDS,
pH, and Temperature.

- Long Life Internal Conductivity & pH Electrodes
- Splash-Proof
- Easy to Use
- Auto Temperature Compensation to 25°C/77°F

Autoranging for:

- Boilers
- Cooling towers
- Reverse osmosis
- Fountain solutions for printing
- Swimming pools
- Plating and parts washing
- Pulp & Paper



Every industrial, commercial or natural water source contains dissolved solids or salts. These impurities contribute to the scaling and corrosion of equipment, affect industrial and commercial processes, and contribute to poor taste and other deficiencies in drinking water.

Measurements you can count on

Obtain reliable and accurate measurements of your water source with the value-priced TechPro Series instruments. Ideal for water treatment testing as well as other industrial and commercial applications, these instruments reflect Myron L's 35-plus years experience designing and building quality conductivity and pH measuring instrumentation.

Portable and easy to use

TechPro instruments are hand-held, lightweight and simple to operate. Measuring conductivity/TDS, pH, and temperature (depending on the model), the highly stable circuitry delivers the accurate readings needed



to prevent equipment damage, assure product quality or verify in-line instrumentation in a wide range of applications.



Accurate readings in two easy steps.

- 1 Rinse and fill cell cup
- 2 Push button and take reading

All three models are designed with internal electrodes to prevent breakage and prolong the electrode's useful life. The rugged, water resistant case protects the electronics of the instrument and fits comfortably in your hand. All TechPro models feature 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 our TechPro instruments or the Myron L distributor nearest you, visit our website @ www.myronl.com or call us at (760) 438-2021 or fax (760) 931-9189.

**MYRON L
COMPANY**
pH/Conductivity Instrumentation
Accuracy • Reliability • Simplicity

Specifications

Display	3 1/2 digit LCD
Dimensions	7.7 x 2.7 x 2.5 inches (196 x 68 x 64 mm)
Weight	11.2 oz (320 g)
Case/Cell material	ABS
Cond/TDS cell capacity	0.2 oz (5 ml)

pH sensor well capacity	0.04 oz (1.2 ml)
Power	9 V alkaline battery
Battery life	>100 hours (5000 readings)
Operating/storage temperature	32 – 132°F (0 – 55°C)
Protection ratings	IP64/NEMA 3 SPLASH PROOF

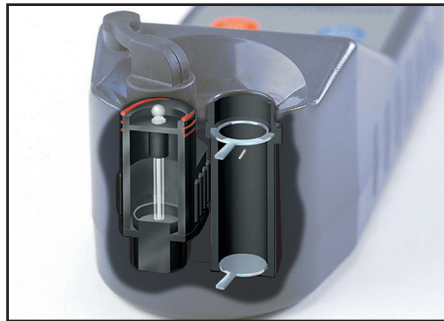
Parameters

RANGES				
Model	Conductivity	TDS	pH	TC - 25°C/77°F
AR1	0 – 199.9 µS	0 – 199.9 ppm	—	32 – 160°F
	200 – 1999 µS	200 – 1999 ppm	—	(0 – 71°C)
	2.00 – 19.99 mS	2.00 – 19.99 ppt	—	—
ARH1	0 – 199.9 µS	0 – 199.9 ppm	0 – 14	32 – 160°F
	200 – 1999 µS	200 – 1999 ppm	0 – 14	(0 – 71°C)
	2.00 – 19.99 mS	2.00 – 19.99 ppt	0 – 14	—
pH1	—	—	0 – 14	32 – 160°F (0 – 71°C)

ACCURACY		
Conductivity/TDS	pH	Temperature Reading
±1% of full scale	—	±1°C/F
±1% of full scale	±0.05 pH	±1°C/F
—	±0.05 pH	±1°C/F



The TechPro Line of Accessories: pH Buffers, Standard Solution, Replacement pH Sensor, and choice of Soft or Hard Protective Carrying Case.



The pH sensor chamber protects a large-capacity KCl reservoir guarantees extended life and can be easily replaced by the user.



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

Accessories

Porta-Kit model PKT includes rugged all plastic foam lined case, 2 oz. each pH 4, 7, & 10 Buffers, pH Sensor Storage Solution, 442-1500 & KCl-1800.

NIST Standard Solutions and 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 primary solutions. Your instrument will be kept most accurate by periodic recalibration with the appropriate Conductivity Standard Solution and pH Buffers. See the table to the right for recommendations.

Order #	Values
(Specify Quarts or Gallons)	
442-15	(15 ppm/24 µS)
442-30	(30 ppm/47 µS)
442-150	(150 ppm/229 µS)
442-300	(300 ppm/445 µS)
442-1000	(1000 ppm/1417 µS)
442-1500	(1500 ppm/2060 µS) *
442-3000	(3000 ppm/3900 µS)
442-15,000	(15,000 ppm/16,630 µS)
KCl-18	(18 µS/11 ppm)
KCl-70	(70 µS/45 ppm)
KCl-180	(180 µS/116 ppm)
KCl-700	(700 µS/478 ppm)
KCl-1800	(1800 µS/1294 ppm) *
KCl-7000	(7000 µS/5687 ppm)
KCl-18,000	(18.00 mS/16,462 ppm)

* Recommended value

pH Buffers

- pH 4
- pH 7
- pH 10
- pH sensor storage solution

Replacement pH Sensor. Model RPG is a non-refillable KCl gel-filled combination pH sensor featuring a chemical resistant liquid junction.

NIST Certification. Certificates are available which confirm NIST traceability of an instrument (Order#MC) or standard solution/pH buffer (Order#SC).

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



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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.

Limited Warranty. All Myron L TechPro Instruments have a two-year warranty, excluding the pH sensors, which have a six-month limited warranty. Warranty is limited to the repair or replacement of the TechPro Instrument only, at our discretion. The Myron L Company assumes no other responsibility or liability.

