Digital Dialysate Meters™

Professional, comprehensive water and dialysate quality analysis for hemodialysis.



The D-6 Dialysate Meter has received FDA 510(k) acceptance for use as a medical device for testing dialysate.
FDA Device Manufacturing License #s: 65387 (CA), 2020976 (Federal)

MYRON L COMPANY
Water Quality Instrumentation
Accuracy • Reliability • Simplicity
. . . Since 1957

DIGITAL DIALYSATE METERS™

Advanced Design • Superior Performance

Waterproof & Buoyant

- **Standardized to 3 solution types for extremely accurate temperature compensation and TDS conversion in a wide variety of applications (Default is NaCl)**
- **No in-line components, eliminating the risk of cross-contamination with patient dialysate stream**
- **Internal sensors offer increased durability and are included with instrument**
- **Ability to test 7 solution parameters: Conductivity, pH, TDS, Resistivity, ORP, Free Chlorine and Temperature**
- **Four-digit display for full 9999 readings, with autoranging capability up to 200 mS/200 ppt**
- **Powerful microprocessor based surface mount circuitry**
- **Memory for up to 100 date-time-stamped readings**
- **Display prompts for simple pH calibration**
- **Real Time Clock**



bluDock™ Enabled

Both DIGITAL DIALYSATE METERS are capable of wireless data transfer with bluDock™ option installed*

*Digital Dialysate Meter measurement data transferred to a personal computer using the wireless communication option is for record-keeping purposes only and is not intended for use in making treatment or diagnostic decisions.

ACCURATE

dialysate quality checks and equipment calibration

RELIABLE

internal sensors, stable circuitry, nonvolatile memory

SIMPLE TO USE

one-touch measurement functions

TRUSTED

Since 1957, the Myron L Company has designed and manufactured highly reliable analytical instruments for a wide variety of demanding applications. Thousands of professionals around the world rely on the performance of our instruments every day. Myron L is also the manufacturer of the original Dialysate Meter™, trusted by Hemodialysis professionals for over 40 years. And we offer a full line of portable handheld testing instruments and monitor/controllers for every aspect of water quality analysis and control. The new DIGITAL DIALYSATE METER is designed to simplify testing across a variety of applications in your clinic: Dialysate Testing, Water Quality Control, System Disinfection, Equipment Calibration and Effluent Monitoring. This instrument does the work of up to 7 different instruments, with fast accurate results and user-intuitive interface.

Definitive Dialysate Testing

The D-6 and D-4 Digital Dialysate Meters are specifically designed to test both acetate and bicarbonate dialysate quality. There are no strips or reagents that expire or subjective interpretation of results. Measurements display immediately.

Quality Assurance in Water Treatment for Hemodialysis

Digital Dialysate Meters are a cost effective solution for your clinic's water treatment testing. Manage Reverse Osmosis Systems, DI Banks, Chlorine Removal, Ultrafiltration and other processes required for dialysate grade water. Test Conductivity, Resistivity, TDS, pH, ORP and Temperature of feed and product water in unit processes. Use measurements as independent checks against automatic systems of control and for monitor/controller calibration.

Disinfection System Maintenance

Myron L's Digital Dialysate Meters deliver results when you need them where you need them. Monitor levels of residual (oxidizing/reducing) sanitizer during system maintenance. Use ORP and Free Chlorine parameters to ensure proper concentrations in disinfection loops and for jug disinfection. Ensure removal of disinfectant from hemodialysis systems and storage tanks after rinsing.

Hemodialysis Equipment Calibration

Digital Dialysate Meters are a fast easy way to calibrate hemodialysis machines. Both instruments deliver accuracy of ±0.01 pH unit and ±0.1% of reading at calibration point for Conductivity, Resistivity and TDS readings.

Compliance in Effluent Monitoring

Digital Dialysate Meters measure water quality parameters that affect the health and safety of the environment. Monitor parameters required by your discharge permit for compliance with federal, state and local regulations quickly and easily.

Easy Setup

Instruments do NOT need sterilization. Internal sensors require the user to place the sample in the instrument, preventing cross contamination of patient dialysate stream.

Easy to Use

The Digital Dialysate Meter is a prime example of how high-tech engineering can greatly simplify and streamline a task. Whether in the lab, or testing water and dialysate quality on the spot, merely:

1. Fill the cell cup
2. Push a parameter key
3. Take the reading

Temperature compensation and range selection are both rapid and automatic. You immediately get a standard, numerical digital readout — eliminating all subjectivity. Up to 100 date-time-stamped readings can be stored in non-volatile memory. The Digital Dialysate Meter is lightweight, portable, buoyant and waterproof.

Easy to Maintain

You never have to return a Digital Dialysate Meter to the manufacturer for calibration. All calibrations are quickly accomplished by pressing the ▲ or ▼ keys to agree with our NIST traceable Standard Solution. When pH calibration is necessary, display prompts guide the user and make sure the correct buffer is being used. Plus, all parameters (excluding factory-set temperature) have an internal electronic setting that can be used for field calibration and as a check on pH/ORP sensor life.

Advanced Features

- Fully automatic temperature compensation.
- Auto-shutoff maximizes the life of the single 9V battery to more than 100 hours/5000 tests.
- Non-volatile microprocessor provides data back-up, even when the battery is changed. This assures all calibrations and memory data will be retained.
- Extended life pH/ORP sensor is user replaceable in the field.

Reportable Records

Digital Dialysate Meters make it easy to record, analyze, archive, and report water quality data with the optional bluDock™ accessory package. Simply enter data transfer mode and download stored data to any computer through the bluDock software interface. The data can then be imported into any program necessary for record-keeping and analysis. The bluDock is a fast and easy way to comply with record-keeping and reporting requirements.

More from Myron L

High quality analog handheld D-1 and D-2 Dialysate Meters™ are available for testing dialysate conductivity in both acetate and bicarbonate solutions.



Myron L Benefits that SAVE You TIME & MONEY

Low Maintenance

EASY User Friendly Interface

Replaces up to 7 different instruments

Learn, Use and Train FAST on only one instrument for all water quality testing

FREE live technical support with little to no wait time

RELIABLE manufacturer of the original Dialysate Meter™, Myron L Company has served hemodialysis professionals for over 40 years

Call +1-760-438-2021 or visit our website for details: www.myronl.com



Features

Models	D-4 Conductivity, TDS, Resistivity, Temperature	D-6 Conductivity, TDS, Resistivity, pH, ORP, Temperature
Autoranging	•	•
Memory (100 readings)	•	•
Date & time stamp	•	•
pH calibration prompts		•
Low battery indicator	•	•
"Auto-off"	•	•
Wireless data transfer capable	•	•

Specifications

Display	4 Digit Liquid Crystal Display
Dimensions: LxWxH	196 x 68 x 64 mm/ 7.7 x 2.7 x 2.5 in.
Weight	352 g/12.4 oz.
Case/conductivity cell material	VALOX*
Cell capacities	pH/ORP: 1,2 ml/0.04 oz. Cond/Res/TDS: 5 ml/0.2 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 to 1 meter/3 feet

*®SABIC INNOVATIVE PLASTICS

Parameters

	Conductivity	TDS	Resistivity	pH	ORP mV/ppm Free Chlorine	Temperature
Ranges	0–9999 µS/cm 10–200 mS/cm in 5 autoranges	0–9999 ppm 10–200 ppt in 5 autoranges	10 KΩ–30 MΩ	0–14 pH	±999 mV 0.2–9.9 ppm (5<pH<9)	0–71°C 32–160°F
Resolution	0.01(<100 µS) 0.1(<1000 µS) 1(<10 mS) 0.01(<100 mS) 0.1(<200 mS)	0.01(<100 ppm) 0.1(<1000 ppm) 1(<10 ppt) 0.01(<100 ppt) 0.1(<200 ppt)	0.01(<100 KΩ) 0.1(<1000 KΩ) 0.1(>1 MΩ)	±0.01 pH	±1 mV 0.1 ppm	0.1°C/F
Accuracy	±1% of reading	±1% of reading	±1% of reading	±0.01 pH*	±1 mV ± 2.5% of reading ppm	±0.1°C
Auto Temperature Compensation	0–71°C 32–160°F	0–71°C 32–160°F	0–71°C 32–160°F	0–71°C 32–160°F	—	—
Conductivity/TDS Ratios Preprogrammed	KCl, 442**, NaCl	KCl, 442**, NaCl	—	—	—	—

*± .2 pH in presence of RF fields ≥ 3V/m and >300MHz
**442 Natural Water Standard ™ Myron L Company

Accessories

bluDock™ Accessory Package includes bluDock™, Macintosh/PC application software for downloading data, dongle and printed instructions.
MODEL: BLUDOCK



Certificates affirming the NIST traceability of a Digital Dialysate Meter with data are available (must be specified when placing instrument order).
MODEL: MCD

Conductivity Standard Solutions are necessary to maintain accuracy and for periodic calibration of conductivity/TDS parameters. All Standard Solutions are NIST traceable for your complete confidence.
RECOMMENDED VALUES: NaCl-14.0, 442-3000 (TDS) available in 2 oz/59 ml, 1 qt/1 L, and 1 gal/3,8 L.



pH Buffers are necessary to maintain accuracy and for periodic calibration of pH and ORP parameters. Calibration with pH 7 Buffer is especially important. All pH 4, 7, and 10 Buffers are NIST traceable and are available in 2 oz/59 ml, 1 qt/1 L, and 1 gal/3,8 L.

pH Sensor Storage Solution preserves sensor for longer life.
Available in 2 oz/59 ml, 1 qt/1 L, and 1 gal/3,8 L.
MODEL: SS2OZ, SSQ and SSG

Certificate of NIST traceability for pH Buffer or Conductivity Standard Solutions are available
MODEL: SC-XX if ordered with solution
SCATF if ordered separately

Porta-Pak hard protective case (small)
MODEL: UPP



Porta-Kit hard protective case (kit) with three buffers (pH 4, 7, and 10), one pH/ORP Sensor Storage Solution, and two Standard Solutions, (NaCl-14.0, 442-3000).* All bottles are 2 oz/59 ml.
MODEL: PKD


*configuration may vary

Soft protective case is constructed of padded Nylon™ and features a belt clip for hands-free mobility.
MODEL: UCC (Blue)
UCCDT (Desert Tan)



Replacement pH/ORP sensor user-replaceable, features a unique porous liquid-junction.
MODEL: RPR



Built on Trust
Founded in 1957, Myron L Company is one of the world's leading manufacturers of water quality instruments. Because of our policy of continuous product improvement, changes in design and the specifications in this brochure are possible. You have our assurance any changes will be guided by our product philosophy: Accuracy, Reliability, Simplicity.

Limited Warranty
All Myron L Digital Dialysate Meters have a Two (2) Year Limited Warranty. The pH/ORP sensors have a Six (6) Month Limited Warranty. Warranty is limited to the repair or replacement of the Digital Dialysate Meter only, at our discretion. Myron L Company assumes no other responsibility or liability.



MYRON L COMPANY
Water Quality Instrumentation
Accuracy • Reliability • Simplicity

2450 Impala Drive
Carlsbad, California 92010-7226 USA
Tel: +1-760-438-2021
Fax: +1-800-869-7668 / +1-760-931-9189

www.myronl.com

© MYRON L COMPANY 2010