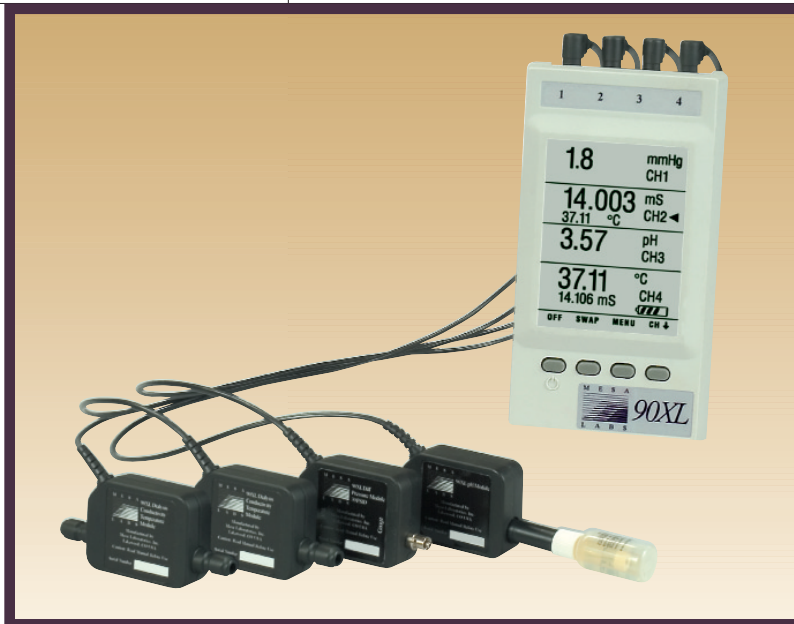


# 90XL™ Dialysis Reference Meter

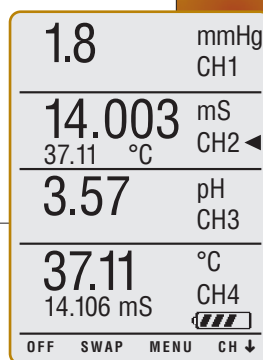
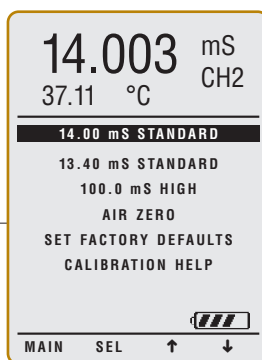
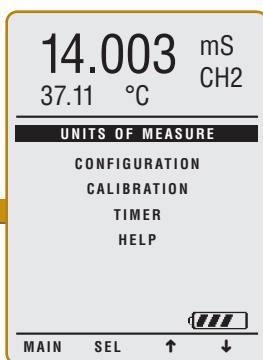
The 90XL™ is a **state-of-the-art** portable, multi-function meter designed to measure the conductivity, pH, temperature, and pressure of dialysate fluids from hemodialysis delivery systems, dialysate concentrates, as well as water from water purification systems.

The 90XL is a **modular system** consisting of the display module, which is the controller for the system with a large easy-to-read display, and one or more sensor modules. The sensor modules contain the appropriate sensors and the circuitry for measuring the desired parameters of the sample solution. Up to **four sensors, in any combination** can be used simultaneously, with **all parameters displayed** on the display module screen. Whether your application is quality control in a clinic setting or calibration of hemodialysis delivery instrumentation, the 90XL Meter is your best choice for **accuracy, convenience** and **reliability**.



**THE 90XL SETS THE  
INDUSTRY STANDARD  
FOR EASE-OF-USE!**

## LARGE, EASY-TO-READ DISPLAY!



## FEATURES

- ✦ Use any combination of up to 4 sensor modules
- ✦ Compact design
- ✦ Select from several units of measure
- ✦ Online help function
- ✦ Menu driven – maximize ease of use
- ✦ Rapid stabilization



# 90XL™ Dialysis Reference Meter

## PROVIDES CONFIDENCE

- ✦ **Mesa Labs' reputation** for quality and reliability is built into each 90XL.
- ✦ Advanced, patent pending, measurement technology in the 90XL provides the **highest performance in the industry.**
- ✦ An **on-screen battery indicator** monitors the battery life of the rechargeable lithium ion battery.
- ✦ The 90XL has the **long-term stability** required for the most demanding applications.
- ✦ The **lithium ion battery** provides longer battery life between charges.

## CONVENIENCE

- ✦ **Up to four sensors in any combination** can be installed on the 90XL and **viewed simultaneously** on the large display.
- ✦ The 90XL provides conductivity measurements at both high and low levels for use with dialysis delivery systems and water purification systems. **One meter does it all.**
- ✦ For annual calibration checks, **return the sensor module only** saving money on shipping charges and down time.
- ✦ The **compact design** of the 90XL makes it easy to handle and to transport.
- ✦ Display module cover/holder **protects the display** from damage, and allows the use of an IV pole holder.

## EASY TO USE

- ✦ The 90XL has a large, easy-to-read screen that **displays data from up to four sensor modules simultaneously.**
- ✦ A **help feature** and **on-screen prompts** are always available to guide you through the calibration and configuration process.
- ✦ For meter **calibration**, on-screen prompts provide detailed instructions for the entire routine.
- ✦ The 90XL's unit of measure **can be tailored** to your individual preferences.



Technical	pH	Conductivity	Temperature	Pressure
Range	0 to 14 pH units	0 to 200.0 mS	10 °C to 90 °C	-600 to +1600 mmHg
Resolution	0.01 pH units	0.1 µS from 0 - 80 µS 0.001 from 0 to 22.00 mS 0.01 from 22.00 to 80.00 mS 0.1 above 80.00 mS	0.01 °C	0.1 mmHg
Accuracy	± 0.1 pH units	± 0.25% of reading + 0.002 mS from 0 to 2 mS ± 0.10% of reading + 0.002 from 2 to 20 mS ± 0.25% of reading from 20 to 80 mS ± 0.50% of reading above 80 mS	± 0.1 °C	± 1.0 mmHg from 0 to 300 mmHg gauge ± 0.5% of reading + 1 mmHg above 300 mmHg
Temperature Compensation		10 °C to 90 °C (optimized for 20 °C to 40 °C)		
Physical	Dimensions	Weight	Power	Battery Type
	3.3" x 6" x 1.5"	9.9 ounces	Battery	3.6 V Lithium Ion, rechargeable, not user replaceable

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All specifications subject to change without notice.

Patent pending.

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