



Protecting the Vulnerable™

At Mesa Labs, our commitment to being a purpose-driven business guides our journey towards an impactful future. We play a vital role in providing accurate¹, reliable¹, and traceable² calibration solutions for renal care, highlighting our collective purpose of Protecting the Vulnerable™.

Part Number	Item Description
5521106000	90XL Display, Conductivity/Temperature, Pressure, and pH Modules plus Accessories and Solutions
5021106001	90XL Display, Conductivity/Temperature, and Pressure Modules plus Accessories
5021106002	90XL Display, Conductivity/Temperature, and Neg-Pressure Modules plus Accessories
5521106006	90XL Display, Conductivity/Temperature, and Pressure Modules (+/- 0.8 mmHg) plus Accessories
5021106007	90XL Display and 2 Conductivity/Temperature Modules plus Accessories
350150603	Display Module
350150600	Conductivity and Temperature Modules
350150602	pH Module with Probe Assembly
350150601	Standard Pressure Module
350150605	Pressure Module with +/- 0.8 mmHg at 0-300 mmHg

Need your 90XL calibrated or serviced?



FDA Class II Medical Device - Indications for Use³: The 90XL Technician Meter is intended for use by hemodialysis professionals to measure the conductivity, temperature, pH, and pressure of the dialysate solution with hemodialysis delivery systems. Water purification specialists may also use the 90XL instrumentation system to verify proper characteristics of the water used in hemodialysis. These parameters are key to indicators of system performance and require periodic monitoring and adjusting to maintain safe and effective hemodialysis systems.

References
¹ Mesa Laboratories, Inc is ISO 17025 and ISO 13485 certified and adheres to the ISO guidelines: ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories ISO 13485:2016 Medical devices – Quality management systems – Requirements for regulatory purposes.

² FDA 21 CFR Part 821 Medical Device Tracking

³ FDA 510(k) K050812



90XL Technician Meter

Accurate¹ · Reliable¹ · Traceable²



Renal Care 

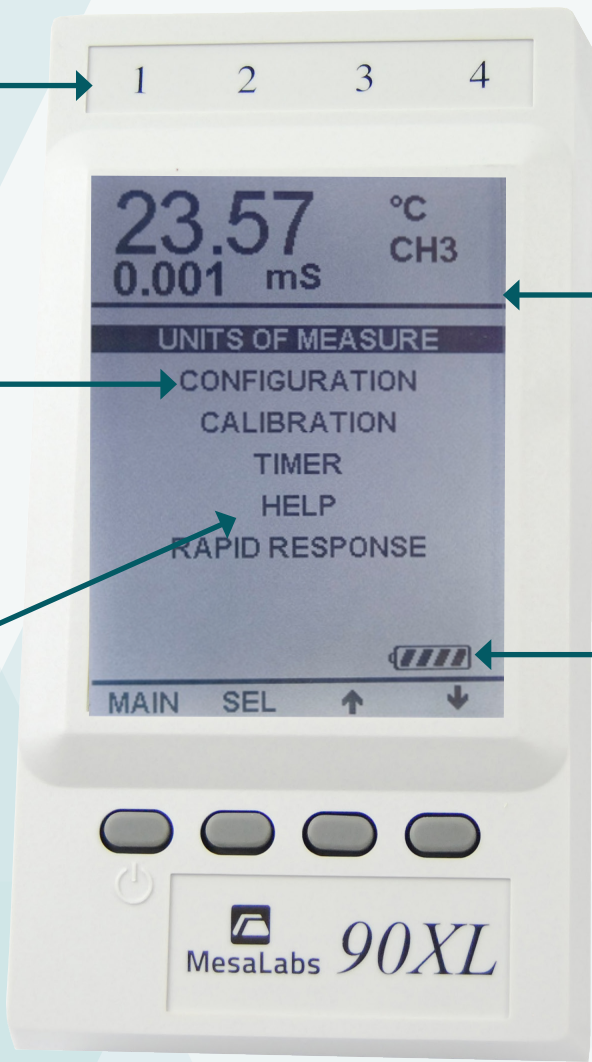
90XL Technician Meter plays a crucial part of calibrating dialysis machines to ensure accurate delivery of correct dialysate prescription.

The multifunctional, portable 90XL Technician Meter measures conductivity, pH, temperature and pressure of the dialysate fluids from dialysis machines, dialysate concentrates, as well as water from purification systems.³

Measure four sensors simultaneously

Tailored preferences

On-screen instructions



Large, easy-to-read screen that displays data for four sensors simultaneously

Rechargeable Lithium-ion battery

Specifications

Dimensions	Weight	Power	Battery Type
3.3" x 6" x 1.5"	9.9 oz	Battery or Plugged In	3.6V Lithium-Ion (Rechargeable)



Conductivity Temperature Module

Range	Resolution	Accuracy
0 to 200.0 mS	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	± 0.35% of reading + 0.002mS from 0 to 1.99 mS ± 0.20% of reading + 0.002 from 2 to 29.99 mS ± 0.50% of reading above 30 mS
10°C to 90°C	0.01°C	± 0.1°C

Temperature Compensation: 10°C to 90°C (optimized for 20°C to 40°C)



pH Module

Range	Resolution	Accuracy
0 to 14 pH units	0.01 pH units	± 0.1 pH units

Temperature Compensation: 10°C to 90°C (optimized for 20°C to 40°C)



Pressure Module

Range	Resolution	Accuracy
-600 to +1600 mmHg	0.1 mmHg	± 1.0 mmHg from 0 to 199 mmHg gauge ± 1.5 mmHg from 200 to 300 mmHg gauge ± 0.5% of reading +1 mmHg above 300 mmHg and below 0 mmHg

Temperature Compensation: 10°C to 90°C (optimized for 20°C to 40°C)