

Put the power of a laboratory right in your hands!



New! LAQUAtwin



- New "Professional Grade" Meters
- Measure samples in nutrient solutions, water, soils, and tissue sap
- Waterproof pocket-sized meter with digital calibration
- Sensors store dry and are field replaceable
- Accuracy correlates well with laboratory analysis
- Unique flat sensor allows you to conveniently and accurately measure samples as small as 0.3 ml
- Automatic temperature compensation, waterproof, auto power-off
- Includes two CR2032 batteries, case and calibration standards

- Item 2103AL LAQUA Twin pH Meter
- Item 2400GL LAQUA Twin Potassium (K⁺) Meter
- Item 2450L LAQUA Twin Calcium (Ca²⁺) Meter
- Item 2500GL LAQUA Twin Sodium (Na⁺) Meter
- Item 2305GL LAQUA Twin Nitrate (NO₃⁻) Meter
- Item 2205L LAQUA Twin EC (EC) Meter

Go to www.specmeters.com/LAQUA for more information on the LAQUA meters, replacement sensors, calibration standards, and soil kits



Spectrum
Technologies, Inc.
"To Measure Is To Know"



pH **Conductivity (EC)** **Sodium** **Potassium** **Nitrate** **Calcium**

Item Number:	2103AL	2205L	2500GL	2400GL	2305GL	2450L
Measurement Principle:	Glass electrode method	2 AC bipolar	Ion electrode method	Ion electrode method	Ion electrode method	Ion electrode method
Sample Volume Required:	0.1 mL to 2.0 mL	0.12 mL to 2.0 mL	0.3 mL to 2.0 mL	0.3 mL to 2.0 mL	0.3 mL to 2.0 mL	0.3 mL to 2.0 mL
Measurement Range:	2 to 12 pH	0 to 19.9 mS/cm	23 to 1300 ppm	39 to 3900 ppm	62 to 6200 ppm	40 to 4,000 ppm
Calibration:	pH 4 and pH 7	1.41 mS/cm	150 ppm and 2000 ppm	150 ppm and 2000 ppm	34 ppm and 450 ppm	150 ppm and 2000 ppm
Reproducibility:	± 0.1 pH	± 2%	± 10% or ± 10 ppm	± 10% or ± 10 ppm	± 10% or ± 10 ppm	± 20% or ± 20 ppm
Display:	4-digit digital LCD display					
Power:	CR2032 coin batteries (x2)					
Battery Life:	400 hours continuous operation					
Operating Range:	40°F (5°C) to 105°F (40°C), 85% relative humidity					
Dimensions:	164mm x 29mm x 20mm					

Easy, Three-Step Measurement

Follow simple, good testing procedures for accurate and dependable results:

- Calibrate correctly
- Avoid mixing samples and standards
- Always keep the sensor clean



Step 1 - Calibrate

Always ensure the sensor is clean before calibrating. If not, clean thoroughly with water (don't worry, LAQUA twin meters are completely waterproof!)

Place some standard solution on the sensor and press the calibration button. Once the smiley face appears indicating that calibration is complete, wash off the standard solution with water and dry with a clean, soft tissue.

Step 2 - Test

LAQUA Twin meters only need a tiny amount of sample - so no beaker is necessary. Fill the sensor with the sample and when the smiley face appears, the measurement is complete.

Step 3 - Clean

Clean the sensor thoroughly with water ready for the next test. When the sensor is nearing the end of its usable lifetime, it can be replaced; * you don't need to replace the meter.

* Sensors will need to be replaced after approx. 1500 measurements or when calibration cannot be completed. Sensors are sold separately and are easily removed and replaced.