



# Water Testing Spectrophotometer

## Programmable, Portable, Scanning, Touch Screen

**Model W-2100**

### Technical Specifications

Wavelength range:	300 nm – 800 nm	Operating System:	Windows Embedded CE 6.0 with 2 GB Flash Memory
Spectral Bandwidth:	4 ±0.8nm	Input/Display:	320 x 240 True Color TFT Touch Screen
Straylight:	<0.5%	Wavelength Resolution:	0.4 nm
Wavelength Accuracy:	±1.0 nm	Photometric Accuracy:	±1.0%
Wavelength Repeatability:	≤0.1 nm	Photometric Repeatability:	<0.3%
Optical System:	Polychromatic, with concave holographic grating	Baseline flatness:	±0.005Abs
Light Source:	Convergent tungsten lamp with 7000 hr lifespan	Noise:	<0.5%
Measurement Workspaces:	Spectrum, Quantitative, Kinetics, Photometric	Drift:	<1.0%
Detector:	CCD Sony ILX51 2048 Pixels	Dimensions:	280 x 170 x 110mm
Power Supply:	Built-in Rechargeable Battery with 5 hr usage	Temperature:	Operating 5 to 30°C, Storage -20 to 55°C

### THE WATER TESTS INCLUDE:

Acid Capacity CT to pH4.3 - (Total Alkalinity)	Chromate Test	Lead Test	Phosphate Test (PMB)
Aluminum Test	COD CT	Manganese Test	Residual Hardness CT
Ammonium Test	Color	Molybdenum Test	Silicate Test
AOX	Copper Test	Monochloramine Test	Silver Test
Arsenic Test	Cyanide Test	Nickel Test	Sodium CT in nutrient solutions for fertilization
BOD CT	Fluoride Test	Nitrate Test	Sulfate Test
Boron CT	Formaldehyde Test	Nitrite Test	Sulfide Test
Boron Test	Gold Test	Nitrogen, total CT	Surfactants (anionic) CT
Bromine Test	Hazen Color Number	Oxygen Scavengers Test – Dissolved	Tin CT
Cadmium Test	Hydrazine Test	Oxygen Scavengers Test - Surface	TOC CT
Calcium Test	Hydrogen peroxide Test	Oxygen, Dissolved CT	Total Hardness CT
Chloride Test	Iodine Test	Ozone Test	Volatile Organic Acids CT
	Iron Test	pH CT	Zinc Test