



Water Testing Spectrophotometer

Programmable, Portable, Scanning, Touch Screen

Model W-2100



Spectro W-2100 is the newest, high technology spectrophotometer for testing water, waste water, agricultural, food, industry, chemistry, environmental, and related industries, with easy programming of 486 different material tests, measuring spectro-quantitation, kinetic and photometric tests.

Spectro W-2100 offers a scanning systems for measurement of various products and environments. This special Spectro W-2100 also can be used for all analytical tests that require wavelengths between 380 to 800 nm. **Spectro W-2100** is portable and has a rechargeable battery, while possessing all the features of bench top spectrophotometers, with CCD detection technology and touch screen TFT interface. It is very user-friendly and easy to use.

Spectro W-2100 can be connected to the PC by the USB port. **Spectro W-2100** is supplied with a carrying case and various accessories for easy usage. As Merck Chemicals test kits are available in all countries of the world. This Spectro W-2100 employs the Merck Chemicals test kit for convenience.

Labomed, Inc. is certified by ISO-9001-2013, has CE Conformity and is FDA Licensed.

Spectro W-2100 has all of the 486 Tests are pre-programmed in the software. Spectro W-2100 has some parameters in the pre-programmed tests which can be changed by the User, and if the User needs, they can press the RESET button to return to the default setting. Spectro W-2100 has the Quantitative mode which allows the User to make his or her own programs for new tests. Spectro W-2100 could link with the Micro-printer. The User can purchase the Micro-printer locally. The Fiber-optic Dip probe is optional accessory. Spectro W-2100 with built-in battery and package has a total gross weight of 3kg.

THE 486 DIFFERENT ELEMENT WATER TESTS ARE AS FOLLOWS:

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

Features

Applications List for 486 Different Tests of Water - Please click here

- **Operating System** with touch screen TFT Interface.
- **The Spectrum workspace** allows for high speed spectral scanning, with zoom and peak identification tools. Spectral Scans can be performed in the field, stored to instrument memory and later transferred to the W-2100 Data Viewer Software for further inspection and reporting.
- **The Quantitative workspace** is used to construct calibration curves, and measure concentration of unknown samples. Curves can be constructed in 1st - 4th order, while both methods and measurement data can be saved to the instrument memory.
- **The Photometric workspace** is used to quickly and easily perform fixed wavelength measurements in either Absorbance or Transmission. It can be set to a K factor where multiplifications are required to determine sample concentration. Once the measurement is complete, store to instrument memory for future recall.
- **The Kinetic workspace** enables the measurement of Absorbance or Transmission as a function of time. Use the zoom and peak pick features to obtain a better view of the Kinetic curve. Measurement data can be saved and recalled at any time.
- **User and admin rights** are easily controlled from the GLP feature in the settings menu. Create user groups and specify their privilege level, then add new users to a specified group.
- **Use the universal cell holder** to measure various pathlength rectangular cells and rounded test tubes, accommodating all of your sampling requirements.
- **Control instrument configuration** from the settings menu.
- **Use the fiber dip probe** for in-situ sample measurements.
- **Once all of the required field analysis has been performed and measurement data stored** to instrument memory the Spectrophotometer can be connected to the W-2100 Data Viewer Software via USB for transfer of analysis data from all of the instrument workspaces.
- **Use the Data Viewer Software to further interpret analysis results**, export data into a wide variety of formats and produce analysis reports for storage or printing.
- **Spectroquant® test kits, offered by Merck Chemicals**, can offer an analytical solution for the following parameters by means of 130 different test kits: Drinking water, Surface water, Process water, Municipal or industrial wastewater, Beverages, Disinfectant control. It offers 356 tests for other elements.

Accessories

1 Rectangular Cell Holder
1 Cylindrical Test Tube Holder
1 Fiber Dip Probe with 10mm and 20mm pathlength tip
Computer link cable.
Windows™ 98/2000/XP compatible

Dust cover
Instruction manual.
Software manual
Power Cable
Rechargeable Battery with 5 hr usage