Instruction manual

VWR® P9 Spectrophotometer

NA Cat. No 76644-700



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Symbols and conventions

The following chart is an illustrated glossary of the symbols that are used in this manual.

	**CAUTION** This symbol indicates a potential risk and alerts you to proceed with caution
	**CAUTION** This symbol indicates the presence of high voltage and warns the user to proceed with caution
	**CAUTION** This symbol indicates risks associated with hot surfaces

Product Specifications

Optical System	Double Beam
Wavelength Range	190-1100nm
Band Width	0.5/1/2/4/5nm
Stray Light	≤0.03%T @ 220nm & 360nm
Photometric Range	0 to 200%T, -0.3 to 3.0A, 0 to 9999C
Wavelength Accuracy	±0.3nm
Photometric Accuracy	±0.3%T or ±0.004A @ 1A
Stability	0.0003A/h @ 500nm(After warming up for 1 hour)
Baseline Flatness	±0.0005A
Language	English, French, German, Spanish, Portuguese, Chinese
Display	TFT Color LCD (10.1", Touch Screen)
Storage	64GB
Interface	USB-A, USB-B, Ethernet, VGA, HDMI
Measuring Procedure	Photometry, Multi Wavelength, Kinetics, Time Scanning, Quantitation, Spectrum Scanning, Biological Method
Power Supply	AC 100~240 V, 50~60 Hz, 140 W
Dimension	580×420×235mm
Weight	18kg
Work Environment	15 to 35℃, 15 to 70% relative humidity
Store Environment	-10 to 50℃, 15 to 70% relative humidity

This instrument is compliant to the U.S. and Canada Directives on
UL 61010-1 Issued: 2012/05/11 Ed: 3
CSA-C22.2 No. 61010-1 Issued: 2012/05/11 Ed: 3
47CFR Part 15 (2011)
ANSI C63.4 (2009)

Overview

P9 Spectrophotometer used in Chemistry, Pharmaceuticals, Biochemical, Metallurgy, Light Industry, Textile, Material, Environments, Medical, Education and some other fields for Quality Control laboratories.

Getting Started

The following chart describes the basic operation of the instrument.

Turn the instrument power on/off

Switch on the power on the back of the instrument. Press the blue button to start/shut down.

Note *Do not turn the instrument on and off continuously and quickly. Wait at least 30 seconds before turning the instrument back on, otherwise the electrical and mechanical systems may be damaged.*

Self-check and calibration

Check the instrument sample chamber and remove anything from the light path.

Launch the application UV Studio after double-clicking the icon 

on the windows desktop. The instrument starts self-test. Self-check includes the following steps: Turn on lamp and positioning light source switching mechanism → Positioning filter disc → Positioning slit switching mechanism (If Installed) → Positioning automatic sample holder (If Installed) → Get dark current → Positioning wavelength → Checking energy → Checking system baseline.