



For product enquiries, kindly contact our sales office:

PerkinElmer Thailand
290 Soi 17, Rama 9 Road, Bangkapi, Huay Kwang,
Bangkok 10310, Thailand
Contact: +6623197901
Email: sales.thailand@perkinelmer.com

PerkinElmer Malaysia
#2.01 Level 2, Wisma Academy Lot 4A, Jalan 19/1
Petaling Jaya Selangor 46300 Malaysia
Contact: +60379491118
Email: Malaysia.Sales@perkinelmer.com

PerkinElmer Singapore
2, Tukang Innovation Grove, #04-01, JTC MedTech Hub,
Singapore 618305
Contact: +6568681662
Email: sgsales@perkinelmer.com

▶ UV 200 (Single beam)

Basic Instrument Functions

Mode of operation	Photometric measurement, (A/T) Concentration measurement (C)
Concentration measurement	Slope method ($C=K \cdot A$) Standard curve method ($C=K \cdot A + b$)
Photometric analysis	T, A, and C measurement
Display mode	Wavelength, %T, Absorbance, Concentration
Storage function	50 standard curves in the instrument
Light source switching	Automatic switching at 325nm (can select upto 355nm)
Light source management	Light source on/off status can be controlled to elongate its working life.
System self-testing	Wavelength self-testing, light sources self-testing, energy calibrating
Instrument control	Standalone or PC Software
Signal output	Printer Port



Performance Specification

ITEM	SP-UV 200
Optic system	Single beam with 1200 lines/mm diffraction grating monochromator
Light path	10-100mm
Spectral bandwidth	5nm
Wavelength range	200-1000nm (1.0nm increment)
Wavelength accuracy	±1.0nm
Wavelength repeatability	±0.5nm
Stray light	≤0.3%T (at 220nm NaI & 340nm, NaNO ₂)
Photometric mode	T, A, and Conc. measurement
Photometric range	0-125.0%T, -0.097-2.5A, 0.000-9.999 Conc.
Photometric accuracy	±0.3%T
Photometric repeatability	±0.2%T
Baseline stability	±0.003A/hr (at 500nm, after lamp turned on for 1 hour)
Light source	Tungsten-Halogen & Deuterium
Detector	Silicon Photodiode

Accessories available

- 16 mm round tube holder for COD test
- Multipurpose cuvette holder for both 10mm light path cuvette and Ø10-Ø22 round tube
- Thin film test holder
- Reflectance holder for glass filter sample

Scope of supply

- 10mm manual four-cell holder 1pcs
- 10×10×45 mm standard glass cuvettes 4pcs
- 10×10×45 mm standard quartz cuvettes 2pcs
- User manual 1pcs

Main Specification

Display	2×20 characters LCD with 2 lines display
Sample compartment	100mm Optical Path
Standard cell holder	10mm
Power requirement	110/220VAC, 50/60Hz, ±10%
Size	465(W)×365(D)×175(H) mm
Net weight	11Kg
Gross weight	15Kg

*When the instrument is connected to the PC and controlled by software.

Information, descriptions, and specifications in this publication are subject to change without notice.

Rev.2019.08