

■ Functions

DNA/RNA measurement	A260/280 ratio, Purity, Concentration, Molar concentration (Nucleotide), Background correction (no correction, fixed wavelength, Tangent), Baseline correction, Input of dilution magnification
Calculation of protein concentration	Concentration calculation by Warburg-Christian method, Other quantitative analysis with reagent
Labeled DNA	Verification that a fluorescent dye coupled with a primer before DNA sequencing
Wavelength scan	Baseline correction, Overlay of 20 channel data, Peak detection, Recalculation, Printing
Time scan	Baseline correction, Overlay of 20 channel data, Auto scale, Recalculation, Printing
Quantitative calculation	Plotting of calibration curve, Statistical operation, One, two and three wavelength calculations, Saving and printing of calibration curve and measurement data
Other analysis	Auro-zero correction, Cell-length normalization, Input of sample name, comment and file name, constant display of measurement parameters, Data saving and retrieval

■ Specifications

Instrument type	Photodiode array spectrophotometer
Measurement	DNA/RNA analysis, UV/Vis spectral measurement
Wavelength range	190 to 1100 nm
Spectral width	3 nm
Scan time	0.05 s (whole wavelength range)
Detector	1024-element photodiode array
Dimensions	294(W)×420(D)×120(H) mm
Weight	10kg
Power requirements	100, 120, 230 or 240 V AC, 50/60 Hz, 200 VA
Main unit, Common cell holder, fuse set, power supply cable, manual, PC-Main unit communication cable, Software for UV-Vis spectrum measurement, software for DNA/RNA analysis	

■ Optinal Accessories

Description	Parts No.
1 µL cell	7A0-1601
2 µL cell	7A0-1602
5 µL cell	7A0-1605
10 µL cell	7A0-1610
20 µL cell	7A0-1620
50 µL cell	7A0-1650
10 mm rectangular quartz cell	7A0-1568

※ You need personal computer that can communicate with the main unit by RS-232C cable. Windows® XP is available for operation system. Please inquire about the detail specification of the personal computer.

※ The specifications, functions and construction may be partially revised for improvement without prior notice.

● Windows is a registered trademark of Microsoft Corp. in the U.S. and other countries.

NOTICE: For proper operation, follow the instruction manual when using the instrument.

Specifications in this catalog are subject to change with or without notice, as Hitachi High-Technologies Corporation continues to develop the latest technologies and products for our customers.

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