

Specification

HPLC Pump

Model	PU-4580
Flow rate setting range	0.001 - 10.0 mL/min (0.001 mL/min step)
Flow rate accuracy	±1% or ±2 µL/min, which is larger. (0.5 - 10.0 mL/min)
Flow rate precision	0.05% RSD or ±0.04 min SD, which is larger. (0.5 - 5.0 mL/min)
Maximum pressure	50 MPa (- 6.0 mL/min) 35 MPa (- 10.0 mL/min)
Dimensions, Weight	150(W) x 470(D) x 150(H) mm, Approx. 11 kg
Power requirement	AC100 - 240 V, 50/60 Hz, 65 VA

Autosampler

Model	AS-4550
Sample injection method	Full or partially fill loop injection (zero sample loss available)
Injection volume	0.1 - 200 µL (0.1 µL step, 1 µL step (100 µL -))
Sample loop	100 µL (standard)
Number of samples	50 (standard, 2.0 mL vial)
Maximum usable pressure	35 MPa
Dimensions, Weight	150(W) x 470(D) x 386(H) mm, Approx. 14 kg (without temperature control unit), Approx. 15 kg (with temperature control unit)
Power requirement	AC100 - 240 V, 50/60 Hz, 40 VA (without temperature control unit), 110 VA (with temperature control unit)

UV-Visible Detector

Model	UV-4570
Light source	D ₂ lamp, Wl lamp
Wavelength range	190 - 900 nm
Noise level	±0.3 x 10 ⁻⁵ AU
Drift	1.5 x 10 ⁻⁴ AU/h
Dimensions, Weight	150(W) x 470(D) x 150(H) mm, Approx. 9 kg
Power requirement	AC100 - 240 V, 50/60 Hz, 160 VA

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For more information, please contact :



Products described herein are
 designed and manufactured by
 ISO-certified JASCO Corporation.

MADE IN TOKYO, JAPAN

Compact HPLC System

LC-4500 model



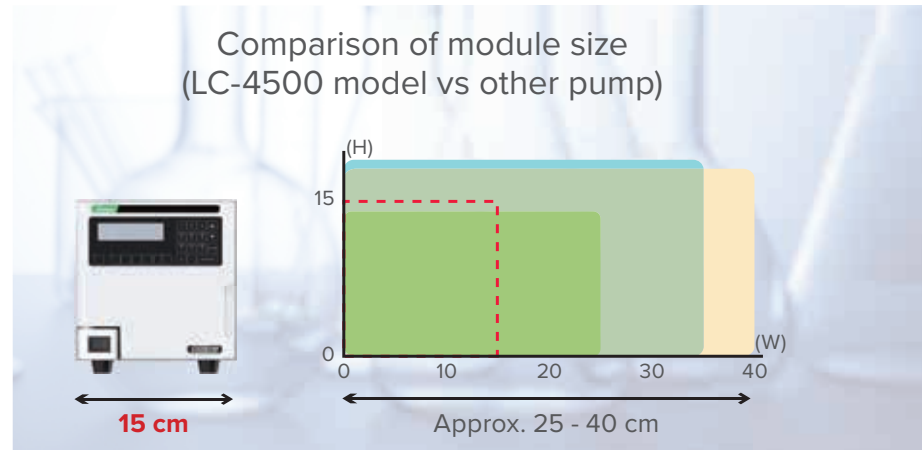
Performance
 Innovation
 Reliability

LC-4500 model

New compact module

Compact

LC-4500 compact module (width: 15 cm) makes effective use of lab space.



PU-UV system is the minimum basic system.

Autosampling system has the capability for high-throughput measurement.

Autosampling system with high pressure gradient has the capability for high-throughput measurement, and can perform the advanced HPLC analysis.

Flexible

PU-4580 enables to configure the various solvent delivery system, and AS-4550 can provide the various sample injection method. Therefore, these modules achieve to build the ideal system.

Combination with existing LC-4000 modules can provides wider application.

User Friendly

LC-4500 model has the key panel, which achieves simple operation.

Key panel (HPLC pump)

Setting examples of key panel (Solvent delivery pump)

- Flow rate
- Start/stop timer
- Gradient program
- Flow rate time program
- Max/min Pressure

HPLC Pump / PU-4580

- Solvent delivery pump for conventional analysis
- Various optional unit for PU-4580
- Simple maintenance (front access).



HPLC Pump options

DG-4580

Degassing Unit



Up to 4-solvents
(The expansion to 5-solvents is available.)

LG-4580

Low Pressure Gradient Unit



Up to 4-solvents

MX-4580-D

Dynamic Mixing Unit



Up to 3-solvents

LV-4580-02

Manual 2-Solvent Switching Valve Unit (without the valve unit panel)

Autosampler / AS-4550

- Various sample injection methods are available. (dilution, pre-column derivatization)
- High capability of setting the various sample vials by using optional sample rack.
- Temperature control of sample by using temperature control unit (4 -40 degree C: optional).

- Optional sample rack
- for Eppendorf tube
 - for 300 μ L vial
 - for 600 μ L vial
 - for 96-well microplate



UV-Vis Detector / UV-4570

- UV-4570 can measure from UV region to Visible region (190 - 900 nm)
- Various options for UV-4570 such as the micro cell unit.
- Useful on-flow spectrum measurement.



Other modules

BS-4500 Bottle Stand



- Number of bottle
- Up to 5 (500 mL bottle)
 - Up to 4 (1 L bottle)

* Please note that BS-4500 does not include the bottle.

7725i Manual injector



- Sample loop
- 20 μ L (standard)
 - The loop capacity can be changed as option.

* Please note that 7725i does not include the injector panel.