



Analytical HPLC-A7832

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Analytical HPLC-A7832 system is equipped with a flow rate range of 0.0001 to 10 ml per minute. Integrated with a single and dual wavelength UV-Vis detector with a range of 190 to 800 nm that analyzes sample's absorption at different wavelengths and a high pressure pump providing continuous consistent flow. Built in column heater provides reproducible retention time.

Features

- ◆ Compression compensation ensuring gradient repeatability
- ◆ Low pressure gradient
- ◆ Detector (Deuterium or tungsten lamp)
- ◆ Automatic sample injector (Autosampler)
- ◆ 10 point calibration pump for linear pressure control
- ◆ Error alarm function for over pressure, under pressure and leakage

Applications

Used in pharmaceutical analysis, food nutrient analysis of amino acids and sugars, detection of food contaminants, environmental pollutant and chemical product purity analysis

Specifications

Model No	HPP-A1
Flow rate range	0.0001 ~ 10 ml / min
Maximum pressure	50 MPa , 0 ~ 2 ml / min
Column size	4.6 x 250 mmI1
Sample size	5 µm
Pressure pulsation	≤ 1 % at 10 MPa
Flow rate accuracy	± 0.15 % at 1 ml / min
Flow rate repeatability %	≤ 0.1
Gradient accuracy %	± 1.5
Gradient repeatability %	≤ 0.2
Dimension	460 x 310 x 180 mm
Power supply	90 V
Weight	11.6 kg

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Optional Accessories

Model No	HPD-A20	HPD-A21
Wavelength range	Single wavelength (190 to 800 nm)	Dual wavelength (190 to 800 nm)
Wavelength accuracy	± 0.5 nm	± 2 nm
Wavelength repeatability	0.15 nm	0.3 nm
Band width	8 nm	8 nm
Optical path	10 nm	10 nm
Deuterium lamp	190 ~ 400 nm	190 ~ 400 nm
Tungsten lamp	400 ~ 800 nm	400 ~ 800 nm
Baseline noise (Static) Au	$\leq \pm 0.35 \times 10^{-5}$	$\leq \pm 0.5 \times 10^{-5}$
Baseline drift (Static) Au / h	$\leq 1 \times 10^{-4}$	$\leq 1.5 \times 10^{-4}$
Minimum detection limit	$\leq 4 \times 10^{-8}$	$\leq 4 \times 10^{-8}$
Power	100 W	100 W
Power supply	90 V / 50 ~ 60 Hz	90 V / 50 ~ 60 Hz
Dimension	460 x 315 x 180 mm	460 x 315 x 180 mm
Weight	9.5 kg	9.5 kg

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Autosampler Specifications

Model No	ASI-A10
Syringe volume	1 µl , 2.5 µl , 10 µl , 100 µl , 250 µl, 500 µl
Tray capacity (removable rack)	176 vials , 2 ml
Injection Speed	1 ~ 500 µl / s
Injection mode	Full loop / partial loop
Analysis time	0 ~ 999 min
Wait time	12 s
RSD (partial loop)	≤ 0.5 %
RSD (full loop)	≤ 0.25 % (typically ≤ 0.15 %)
Linearity	≥ 0.9999
Carry over	≤ 0.05 % (with standard wash)
Power	55 W
Dimension	310 x 700 x 690 mm
Weight	15 kg

Standard Accessories

Accessory	Quantity
Pump	2
UV-Vis detector (without flow cell)	1
Analytical flow cell	1
Injection valve	1
20 µl sample loop	1
4.6 x 250 mm (5µm) analytical column	1
Solvent tray	1
Binary gradient kit	1
Mixing chamber	1

Optional Accessories

Accessory	Quantity
Autosampler	1
Fraction collector	1
Column oven	1