



Analytical LD-HPLC-A7835

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Overview

Analytical HPLC-A7835 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)
- Simultaneous working of deuterium and tungsten lamp
- Automatic sample injector (Autosampler)
- External pump control by panel or computer software
- Auto save last detected records by the detector
- 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:

Power	100 W
Weight	9.2 kg
Dimension	460 × 260 × 190 mm
Band width	8 nm
Column size	4.6 × 250 mm
Sample size	5 µm
Optical path	10 nm
Power supply	90 V / 50 to 60 Hz
Tungsten lamp	400 to 800 nm
Deuterium lamp	190 to 400 nm
Flow rate range	0.0001 to 10 ml / min
Maximum pressure	42 MPa , 0 to 5 ml / min

Wavelength range	190 to 800 nm
Flow rate accuracy	± 0.2 % at 1 ml / min
Pressure pulsation	? 1.5 % at 10 MPa
Gradient accuracy %	± 2
Pump Specifications	<div id=
Wavelength accuracy	± 0.75 nm
Detector Specifications	<div id=
Minimum detection limit	? 4×10^{-8}
Gradient repeatability %	? 0.2
Wavelength repeatability	0.2 nm
Flow rate repeatability %	? 0.15
Baseline noise (Static) Au	? $\pm 0.5 \times 10^{-5}$
Baseline drift (Static) Au / h	? 1.5×10^{-4}