

Analytical HPLC-A7840



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Analytical HPLC-A7840 system with 0.001 to 9.999 ml / min flow rate range, offers three method measurement: dual wavelength detection, wavelength time program and stop pump scanning. Integrated with a single and dual wavelength UV-Vis detector with a range of 190 to 700 nm to analyse sample's absorption at different wavelengths and high-pressure pump achieves accurate solvent delivery with high-precision and low-fluctuation

Features

- Floating plunger support mechanism improve plunger and seal ring
- Detector (Deuterium or tungsten lamp)
- Simultaneous working of deuterium and tungsten lamp
- Three method measurement: dual wavelength detection, wavelength time program and stop pump scanning.
- Independent mode all working parameter are set by panel button
- External pump control by panel or computer software
- Quaternary high pressure gradient support
- Error alarm function for over pressure ,under pressure and leakage

Application

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

Specification

Model no.	HPLC-A7840	
Pump Specifications	Solvent delivery	Double plunger series mode, floating plunger design, single stroke volume 30 μ l
	Pump Head	10 ml stainless steel pump head
	Flow rate range	0.001 to 9.999 ml / min
	Flow rate increment	0.001 ml/min
	Maximum pressure	42 MPa
	Column size	4.6 x 250 mm 5 μ m
	Pipeline Size	1/16"
	Flow rate accuracy	$\pm 0.5\%$
	Flow rate precision	RSD $\leq 0.1\%$
	Gradient accuracy %	$\pm 0.5\%$
	Gradient repeatability %	RSD $\leq 0.15\%$
	GLP	Automatic recording of pump sealing ring working time
	Display	LCD backlight display
	Power	80 W
	Power supply	220 V $\pm 10\%$, 50 Hz
	Dimension	398 \times 149 \times 267 mm

Detector Specifications	Dimension	398 × 149 × 267 mm
	Wavelength range	190 to 700 nm
	Wavelength accuracy	± 1 nm
	Wavelength repeatability	0.2 nm
	Deuterium lamp	190 to 400 nm
	Tungsten lamp	400 to 700 nm
	Baseline noise (Static) Au	1 × 10 ⁻⁵ AU/h at 254 nm with methanol/water= 80/20
	Baseline drift (Static) Au / h	1.5 × 10 ⁻⁴ AU/h at 254 nm with methanol/ water= 80/20
	Time constants	16 grades adjustable
	Display	LCD backlight display
	GLP	Total number of lights, lamp replacement time and product serial number
	Power	75 W
	Power supply	220 V ± 10%, 50 Hz
	Dimension (L × W × H)	398 × 149 × 267 mm

Standard accessories

Accessories no.	Accessories name	Specification	Unit
1	Analytical pump	10 ml/min, 42 MPa	2
2	Analytical UV detector	Analytical flow cell included	1
3	Chromatography software	FDA compliance	1
4	Start-up kits	Accessories and tools	1
5	Static mixer	Analytical mixing	1
6	Test column	C18, 4.6 x 250 mm 5 µm analytical	1
7	Manual injection valve	20 µl sample loop	1
8	HPLC solvent bottles	1000 ml	1
9	Analytical column	ID 4.6 × 250 mm 5 µm C18 kromasil	1