

LT-3201 HPLC SYSTEM

ISOCRATIC SYSTEM



PRODUCT FEATURES

- ✓ Self-priming pump head requires no manual priming
- ✓ Patented "Floating Pump Seal" designed for extended seal wear Available with micro.
- ✓ A analytical, semi-prep, and prep pump heads
- ✓ Programmable solvent compressibility compensation
- ✓ Easy maintenance and service for all wetted parts
- ✓ Integral prime/purge assembly for quick solvent change

ACCESSORIES

- ✓ Instruction Manual
- ✓ Rheodyne Injector 7725 I (USA)
- ✓ Micro Syringe
- ✓ Column C-18
- ✓ Software
- ✓ USB Data Cable for PC Connectivity
- ✓ Mains Lead
- ✓ Tool kit



TECHNICAL SPECIFICATIONS

SPECIFICATIONS (PUMP)

Flow Range	0.001 — 9.999 Mi/min
Delivery method	Double piston (Main & Auxiliary)
Pump head	10m1 SST/Peek analytical
Accuracy	± 1% or ± 2pL/min, whichever is greater ± 1% or ± 1pL /min, whichever is greater (Micro)
Flow rate settings	0 - 0.10 mL/min. 0.001 inc. 0.10 - 0.90 m/min 0.010 inc. 1.0 ml 1.0 mL /Min.+ 0.10 inc
Precision	0.25% from 0.1 mL/min. to 10 mL/min. at 20 deg 0.25% from 0.05 mL/min. to 4 mL/min.at 20 degrees C (Micro)
Pmax	6000psi
System connections	1/16" capillaries
Dimensions	410mm x 180mm x270mm
Weight	7.3kgs
Power input	85 to 264 VAC. 47 to 63 Hz, 60 Watts
Control	Stand alone mode using front panel

SPECIFICATIONS (UV DETECTOR)

Wavelength	190-700 nm
Spectral bandwidth	6 nm
Wavelength Accuracy	≤ ± 1 nm
Wavelength Reproducibility	≤ ± 0.5 nm
Flow pool volume	10 μ L
Optical path	10 mm
Dynamic Noise	≤2.5x10 AU (Methanol, 1ml/min 254nm)
Static Noise	≤ ± 1 <10-5AU (Empty pool. Response time 1 s)
Dynamic Drifting	≤ ± 2.5x 10-4 AU (Methanol, 11ml/min, 254nm)
Static Drifting	≤ ± 1x 10-4 AU (Empty pool, Response time 1 s)
Qualitative repeatability	RSD ≤0.1%
Quantitative repeatability	RSD 0.5%
Dimensions	160H x 260W x 350 D. (mm)
Weight	6kg
Minimum detection concentration	≤ 1x10-8g/mL (Naphthalene/methanol solution)