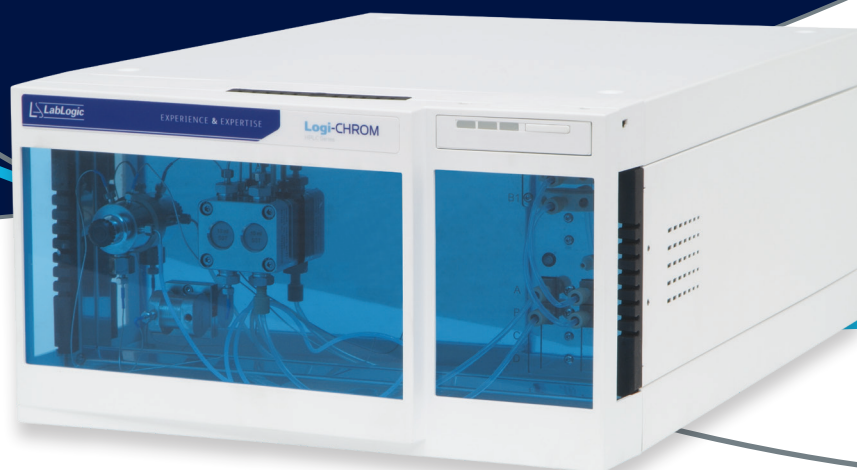


Specification Datasheet

Logi-CHROM

Isocratic Pump



Logi-CHROM Isocratic Pump, stainless steel

Pump Head	10 ml
Flow Rate Range	0.001 - 10 ml / min.
Maximum Delivery Pressure	862 bar, 12,500 psi
Wetted Materials	GFP, Stainless Steel, FKM, PEEK, Sapphire, Aluminium Oxide, Ruby, Zirconium Oxide
Piston Seal Washing	Active wash
Pulsation Compensation	Active pulsation compensation
Mixing Volume	100 µl
Flow Rate Increment	ml / min.
Flow Rate Accuracy	± 1%, measured at 5 - 80% of flow range using ethanol
Flow Rate Precision	< 0.1% RSD based on retention time at constant room temperature
Liquid Temperature Range	4 - 60°C (39.2 - 140°F)
Best Working Conditions	0.1 - 8.0 ml / min.
Continuous Working Conditions	0.1 - 4.0 ml / min.
Flow Rate Accuracy	< 1%
Flow Rate Accuracy Conditions	Measured at 5 - 80% of flow range, using ethanol
Flow Rate Precision	0.1% RSD
Flow Rate Precision Conditions	Based on the retention time at constant room temperature
Gradient Range	0 - 100%

Communication

Interfaces	LAN, Pin header connectors (Analog IN, Start IN, Error IN)
Control	Laura Software
Analog Inputs	Flow Rate: 0 - 10 V via pin head connectors
Analog Outputs	8 event outputs (TTL, OC, Relays) and 24 V

General

Power Supply	100 - 240 V; 50 - 60 Hz; Maximum power consumption 100 Watt
Dimensions	361 x 208.2 x 523 mm (W x H x D)
Leak Sensor	Yes
Ambient Conditions	4 - 40°C (39.2 - 104°F) air humidity below 90%, non-condensing

Degasser (Optional)

Degasser Channels	2 channels, Teflon® AF (dependent on model)
Degasser Maximum Flow Rate	10 ml/min
Degassing Method	Gas permeation through Teflon® AF amorphous fluoropolymer membrane
Degassing Efficiency	< 0.5 ppm dissolved O2 at 1 ml/min
Degassing Chamber Volume	480 µl volume per channel
Solvent Applicability	Universal, with the exception of hydrochloric acid and halogenated hydrocarbons - in particular hexafluoroisopropanol (HFIP)
Wetted Materials	PEEK, Tefzel®, Teflon® AF
Vacuum Chamber	Polypropylene and stainless steel
Vacuum Pump	Low hysteresis behaviour

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