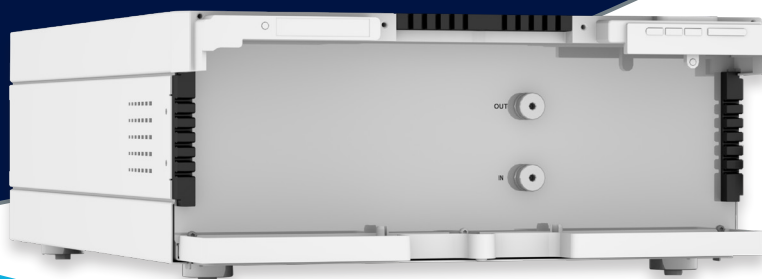


Specification Datasheet

Logi-CHROM

Refractive Index Detector (RID)



The Logi-CHROM RID is a highly competitive and sensitive refractive index detector, ideal for fast and reliable routine analysis of non-absorbing substances. The intelligent temperature control guarantees fast baseline stabilisation and stable operation.

Target

Alcohols, sugars, saccharides, fatty acids and polymers.

Detection	
Detector Type	Refractive index detector
Light Source	Long-life LED
Detection Channels	1
Refractive Index Range	1.00 - 1.75 RIU
Noise	± 2.5 nRIU
Drift	200 nRIU/h
Linearity	> 1000 µRIU
Flow Cell	5 bar back pressure resistance flow cell included
Max. Flow Rate	10 ml/min (pure water)
Flow Cell Volume	15 µl
Wetted Materials	Stainless steel / fused silica / PTFE
Temperature Control	OFF, 30 - 55°C (1°C increment)
Time Constants	0.00 / 0.01 / 0.02 / 0.05 / 0.1 / 0.2 / 0.5 / 1.0 / 2.0 / 5.0 / 10.0 s
Maximum Data Rate	100 Hz (LAN) / 20 Hz (Analog)
Autozero	Full range
Leak Sensor	Yes (internal and external leak management)

General

Power Supply	100 - 240 V, 50 - 60 Hz, 65 W
Dimensions	361 x 158 x 523 mm (W x H x D)
Weight	10.8 kg

Communication

Control	Laura software
Analog Outputs	1 x 0 - 2.5 V scalable, 20 bit, offset adjustable
Interfaces (cinch connector)	2 x LAN (RJ-45, dual IP-stack), USB (service only), multi-pin connector, analog

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