SYKAM S 3580 RI DETECTOR

The S 3580 Differential Refractive Index Detector series offers the sensitivity, stability and reproducebility required for optimal RI detection.
The thermal isolated optic with a countercurrent heat exchanger and with its programmable temperature control, results in an extremly stable baseline and an optimal Signal / Noise ratio.
The S 3580 series provide autopurge and autozero capabilities, as well as RS232 communication to acquire data directly without using any external signal interface. S 3580 detectors are available for:

- micro
- analytical
- semi-preparative mode

TECHNICAL SPECIFICATIONS

	Micro	Analytical	Semi-Preparative
Detection Method:		Deflection	
Refractive Index Range:		1.00 to 1.75	
Flow Rate:	0.2 to 3.0 ml/min	0.2 to 3.0 ml/min	1.0 to 50 ml/min
Flowcell Volume:	4 µl, 45°	9 µl, 45°	7 µl, 5°
Flowcell Pressure:	6 kg / cm²	6 kg / cm²	6 kg / cm²
Dead Volume:	6 µl	24 µl	88 or 353 µl
Linearity Range:	0 - 500 µRIU	0 - 1,000 µRIU	0 - 20,000 µRIU
Noise Level:	10×10^{-9} RIU	5×10^{-9} RIU	10×10^{-8} RIU
Drift (1.0 ml/min H_2O):	< 1 mV / hour	< 1 mV / hour	< 1 mV / hour
Integrator Output:		+/- 1 Volt	
Digital Interface:	RS-232; Purge; Autozero; Start; Stop; Data Out 1Hz, 10 Hz; Lock		
Digital Output:	TTL: Intensity Alarm		
Digital Input:	TTL: Purge, Autozero, Start/Marker		
Temperature Setting:	Ambient, 35 °C to 55°C in 1°C steps; Thermal Fuse @ 75°C		
Time Constant:	RAW (0.0 sec), Fast (0.4 sec), Medium (0.8 sec), Slow (1.2 sec)		
Dimensions:	220 x 350 x 155 mm		
Power Supply:	110/220 V; 50/60 Hz		

ORDER INFORMATION

Cat.-No.	*Description*
10 31 003	S3580 RI Detector