

# RI 2000 Refractive index detector

The Differential **Refractive Index Detector RI 2000** series offers the sensitivity, stability and reproducibility required for optimal RI detection.

The thermal isolated optic with a counter current heat exchanger and with its programmable temperature control, results in an extremely stable baseline and an optimal Signal / Noise ratio.

The **Refractive Index Detector RI 2000** provides autopurge and autozero capabilities, as well as RS232 communication to acquire data directly without using any external signal interface.



## Technical Specifications\*

	<b>RI 2000M, micro</b>	<b>RI 2000A, analytical</b>	<b>RI 2000P, semi preparativ</b>
<b>Detection Method:</b>	Deflection	Deflection	Deflection
<b>Refractive Index Range:</b>	1.00 to 1.75	1.00 to 1.75	1.00 to 1.75
<b>Flow Rate:</b>	0,2 – 3,0ml/min	0,2 – 3,0ml/min	5 – 50ml/min
<b>Flow Cell Volume</b>	4 µl, 45° angle	9 µl, 45° angle	13 µl, 5° angle
<b>Flow Cell Pressure</b>	6 kg/cm2	6kg /cm2	6kg/cm2
<b>Dead Volume Into cell</b>	6 µl	24 µl	314 µl *
<b>Linearity Range:</b>	0 - 500 µRIU	0 - 1000 µRIU	0 - 20000 µRIU
<b>Noise Level:</b>	5 x 10-9 RIU	5 x 10-9 RIU	5 x 10-8 RIU
<b>Autozero Range:</b>	Full Range	Full Range	Full Range
<b>Drift with 1ml H2O/min.</b>	< 1mV/hour	< 1mV/hour	1mV/ hour
<b>Purge Valve</b>	yes	yes	yes / no depends on flow
<b>Integrator Output:</b>	+/- 1 Volt	+/- 1 Volt	+/- 1 Volt
<b>Recorder Output:</b>	+/- 10mV / 100mV / 1Volt		
<b>Recorder Offset:</b>	0 mV/10mV/ 100mV		
<b>Recorder Range:</b>	8 steps (1:8) - (16:1)		
<b>Marker:</b>	Yes / No		

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## Order Information Refractive index detector RI 2000

Part-No.:	Description:
RI2000, M	Refractive index detector RI 2000M, micro
RI2000, A	Refractive index detector RI 2000A, analytical
RI2000, P	Refractive index detector RI 2000P, semi preparativ

## Order Information Spare Parts Refractive index detector RI 2000

Part-No.:	Description:
RI2000-030	Flow cell, RI 2000, micro
RI2000-001	Flow cell, RI 2000, analytical
RI2000-031	Flow cell, RI 2000, semi preparativ
RI2000-012	Lamp RI 2000
RI2000-024	Seal kit for flow cell RI 2000
RI2000-006	Purge valve RI 2000

