

Refractive Index Detector-3359i



The Refractive Index Detector with outstanding capabilities!

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Analytical Technologies Limited

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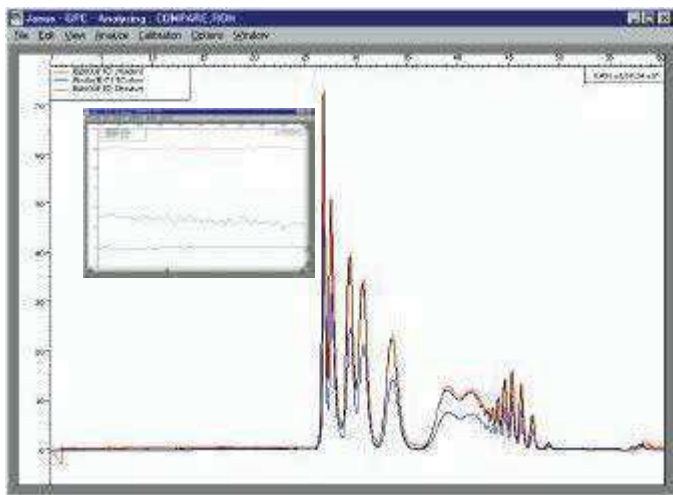
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The 3359i Differential Refractive Index Detector series offers the sensitivity, stability and reproducibility required for optimum RI detection. The thermally shielded optics with a countercurrent heat exchanger and with its user programmable temperature control results in an extremely stable baseline and an optimal Signal/Noise ratio.

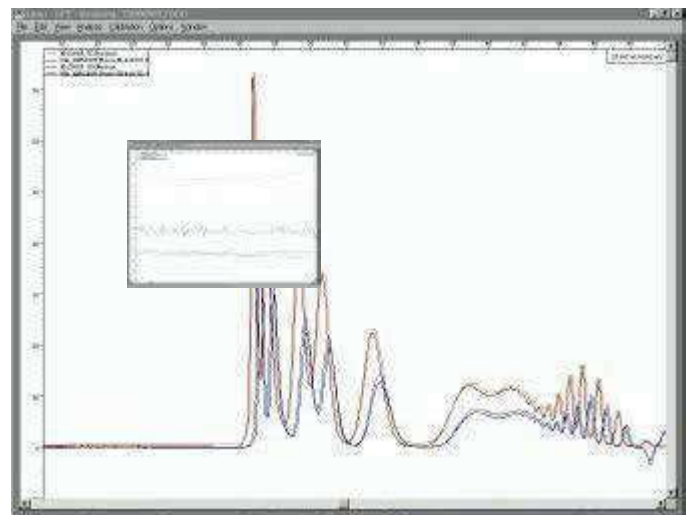
The 3359i provides remote purge and autozero capabilities. RS232 communication protocols are provided in the user manual. 3359i detectors are available for analytical or preparative mode.

The pictures to the right show comparison chromatograms of polystyrene samples in THF measured with an 3359i /Waters 2410 and 3359i /Shodex RI-71 at a flowrate of 1 mL/min. The Polystyrene standards were injected on two AIS DVB columns 500 Å (500 x 10 mm I.D.).

The progressive electronic and mechanical design result in a detector with exceptional sensitivity, ultra-low noise level, the highest degree of baseline stability, and lowest service.



Comparison of labIndex 3359i and shodex RI-71



Comparison of labIndex 3359i and waters 2410

Description	PN
LabIndex 2000	SB-2000L
LabIndex 2000 with Prep Cell	SB-2000P

►► Specification:

Detection Method	Deflection
Refractive Index Range	1 - 1.75 RIU
Temperature Setting	Ambient, 35°C to 55°C in 1° C steps
Typical Flow rate	0.2 - 3.0 mL/min.
Flow Cell Volume	9 µl
Flow Cell Pressure	6 Kg / cm ² (42 psi max)
Linearity Range	80 x 10 ⁻⁵ RIU
Noise Level	5 x 10 ⁻¹⁰ RIU
Auto Zero Range	40 x 10 ⁻⁵ RIU
Auto Zero Resolution	5 x 10 ⁻¹⁰ RIU
Integrator - Output	±1 Volt
Recorder - Output	±1 Volt
Digital Interface	RS 232 bidirectional
Digital Outputs (TTL)	Intensity
Digital Inputs (TTL)	Purge, Autozero and F display
Dimensions in cm	25.8(W) x 35(D) x 14.8(H)cm
Weight	10 kg

►► Regulatory compliances



►► Corporate Social Responsibility

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Analytical Foundation

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2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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