

ERC RI DETECTOR

Product Data Sheet

RefractoMax

The new ERC RI Detector – RefractoMax – ideal for micro-flow and standard analysis applications.



Technical Data

Name:	RefractoMax524 (micro)	RefractoMax521 (analytical)
Flow rate range:	0.1 to 1 mL/min	1 to 5 mL/min
Instrument color:	Gray	Blue
Flow cell volume:	2.5 µL	8 µL
Maximum back pressure:	50 kPa	
Flow cell type:	2 chamber type	
Measuring method:	Deflection type	
Temp. control:	30 to 55 °C (1 °C step)	
Reflective Index range:	1.00–1.75	
Measuring range:	0.25 to 512 µRIU	
Linearity range:	600 µRIU	
Drift:	0.2 µRIU/h	
Noise:	2.5 nRIU (response: 1.5 sec)	
Response:	0.1, 0.25, 0.5, 1, 1.5, 2, 3, 6 sec	
Auto zero:	Full auto zero	
Auto zero range:	All range	
Offset range:	0 to 500 mV (10 mV step)	
Recorder output:	0 to 10 mV/FS	
Integrator output (Sensitivity):	DC 0 to 1 V (2 mV/µRIU, 8 mV/µRIU)	
External output: (1)Ready, (2)Leak, (3) Error (Over Heat / Low Light Intensity / Null Glass Home Position / Lost Parameters / Optical Balance) (contact capacity: DC 24 V 0.1 A max.)		
Communication port:	RS232C	
Wetted materials:	SUS316, Teflon, Quartz glass	
Dimension and weight:	H 150 × W 260 × D 450 (mm), approx. 12 kgT	
Power supply:	AC 100 to 240 V +/- 10% 50/60 Hz, 120 VA max.	



For ordering and technical support, please contact:

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