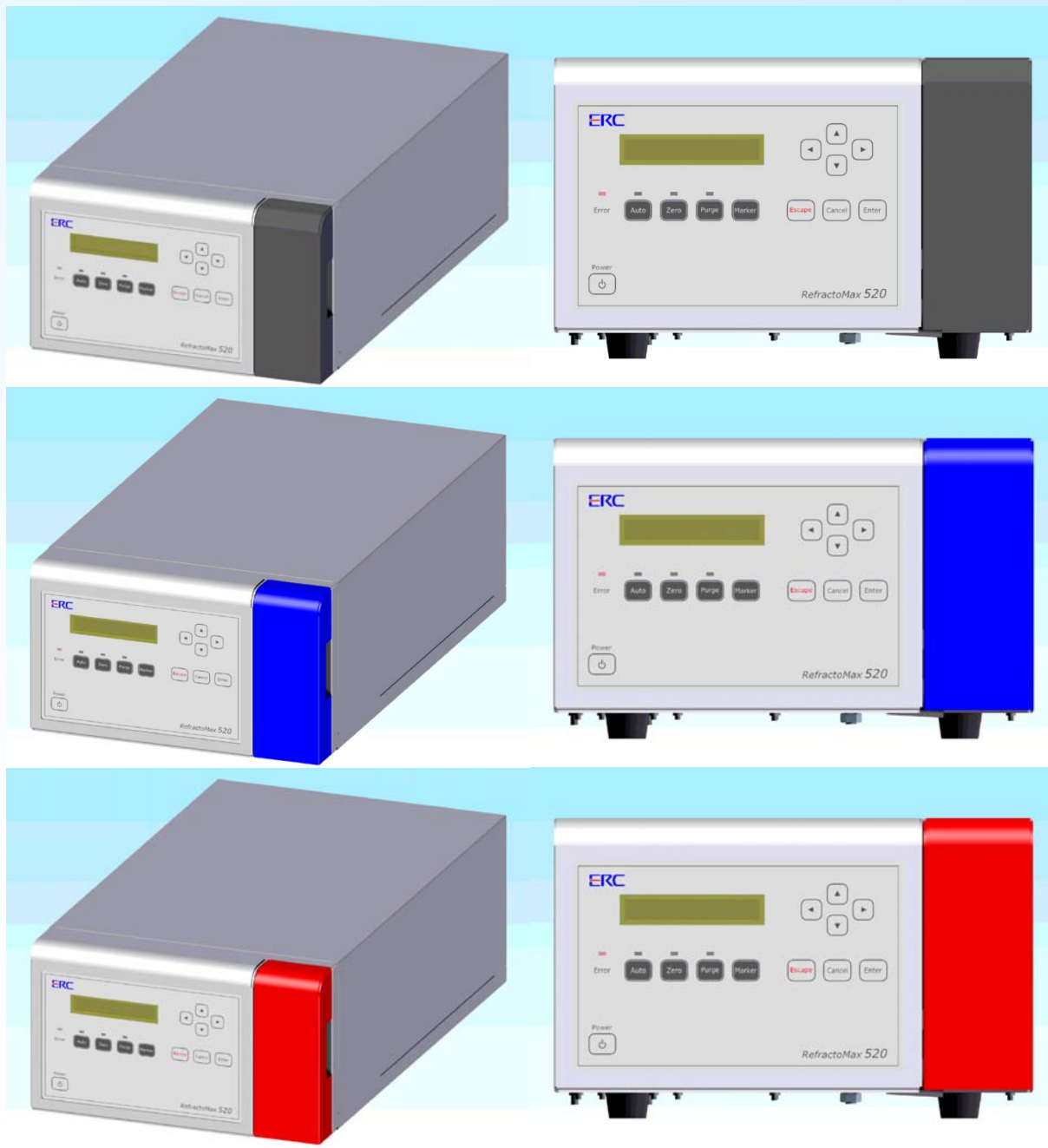


RI Detector *RefractoMax*

ERC will release the new RI detector series “**RefractoMax**”. We offer the best model for your application from 3 models for micro-flow, standard analysis and semi-preparative.



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Name	RefractoMax524 (micro)	RefractoMax521 (analytical)	RefractoMax523 (semi-preparative)
Analytical flow rate:	0.1 to 1mL/min	0.5 to 5.0mL/min	5 to 200mL/min
Maximum flow rate:	2mL/min (solvent: pure water)	10mL/min (solvent: pure water)	200mL/min (solvent: pure water)
Instrument color:	gray	blue	red
Flow cell volume:	2.5 μ L	8 μ L	8 μ L
Maximum back pressure:	50kPa		
Flow cell type:	2 chamber type		
Measuring method:	Deflection type		
Temp. control:	30 to 55degC (1degC step)		
Reflective Index range:	1.00 - 1.75		
Measuring range:	0.25 to 512 μ RIU	0.25 to 512 μ RIU	2.5 to 5120 μ RIU
Linearity range:	600 μ RIU	600 μ RIU	6000 μ RIU
Drift:	0.2 μ RIU/h	0.2 μ RIU/h	2 μ RIU/h
Noise:	5nRIU (response: 1.5 sec)	2.5nRIU (response: 1.5 sec)	25nRIU (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 500mV (10mV step)		
Recorder output:	0 to 10mV/FS		
Integrator output (Sensitivity):	DC 0 to 1V (2mV/ μ RIU, 8mV/ μ RIU)	DC 0 to 1V (2mV/ μ RIU, 8mV/ μ RIU)	DC 0 to 1V (0.2mV/ μ RIU, 0.8mV/ μ RIU)
External output:	(1)READY, (2)LEAK, (3) ERROR (OVER HEAT / LOW LIGHT INTENSITY / NULL GLASS HOME POSITION / LOST PARAMETERS / OPTICAL BALANCE) (contact capacity: DC24V 0.1A max.)		
Communication port:	RS232C		
Wetted materials:	SUS316, Teflon, Quarts glass		
Dimension and weight:	H150 x W260 x D450 (mm), approx.12kg		
Power supply:	AC 100 to 240V +/- 10% 50/60Hz, 120VA max.		

Product specifications are subject to change without notice in advance.

