

Technical Data - L-Rix

Technical Specifications			
	L-Rix 4100	L-Rix 5100	L-Rix 5200
Refractive Index	Range: 1.3100 to 1.4910 (equivalent to 0 % to 80 % mass) Accuracy: nD ±0.0002 (equivalent to ±0.1 % mass) Repeatability: nD ±0.0001 (equivalent to ±0.05 % mass)	Range: 1.3100 to 1.5400 (equivalent to 0 % to 100 % mass) Accuracy: nD ±0.0002 (equivalent to ±0.1 % mass) Repeatability: nD ±0.0001 (equivalent to ±0.05 % mass)	Range: 1.3100 to 1.4600 (equivalent to 0 % to 65 %) Accuracy: nD ±0.0001 (equivalent to ±0.05 % mass) Repeatability: nD ±0.00005 (equivalent to ±0.025 % mass)
Material of the wetted parts	Stainless steel 1.4404, PEEK, Sapphire (Al 2O 3 – 99.997 %), O-ring 60x3 (VARIVENT N) EPDM 70 ²		
Ambient temperature	0 °C to 50 °C	,-20 °C to 60 °C	
Process temperature	C to 100 °C°	-20°C to 120 °C	0 °C to 105 °C
Process pressure absolute	100 mbar to 10 bar	100 mbar to 16 bar (10 bar @ >120 °C)	
Detector	CMOS line sensor; 2048 elements		
Light source	LED 589 nm		
Temperature compensation	Automatic temperature compensation; integrated Pt-100		
	max. 10 bar rel. (145 psi rel.)		
Communication	Analog	Analog, Analog/Digital, Modbus RTU, Modbus TCP, PROFIBUS DP, PROFINET IO, EtherNet/IP	