

Technical Data - OXY

Technical Specifications				
Sensor caps	Ultra-trace range	Trace range	Wide range	Ultra-wide range
Measuring range (dissolved O ₂ in liquids)	- (Gas phase only)	0ppb to 2000 ppb	0ppm to 22.5 ppm	0 ppm to 45 ppm
(Measuring range (gas phase O ₂ in CO ₂	0 ppmv to 200 ppmv (0 hPa to 0.2 hPa)	0 % to 4.2 % O ₂ (0 hPa to 40 hPa)	0 % to 50 % O ₂ (0 hPa to 500 hPa)	0 % to 100 % O ₂ (0 hPa to 1000 hPa)
Accuracy for liquids (the larger value is valid)	- (Gas phase only)	≤ ±1 ppb or ±3 %	≤ ±0.042 ppm or ±3 %	≤ ± 0.1 ppm or ± 5 %
Accuracy in gas phase (the larger value is valid)	≤ ± 2 ppmv or ± 5 %	≤ ±25 ppmv or ±3 %	≤ ±0.1 % O ₂ or ±3 %	≤ ± 0.2 % O ₂ or ± 5 %
Sample temperature (non-freezing)	0 °C to 40 °C	-5 °C to +65 °C (Oxy 4100: -5 °C to +40 °C)	-5 °C to +65 °C (Oxy 4100: -5 °C to +40 °C)	-5 °C to +40 °C
CIP/SIP temperature	Not suitable for CIP/SIP	max. 99 °C, max. 130 °C (max. 30 min)		
Line pressure	max. 12 bar abs. (174 psi abs.), max. 5 bar abs. (72 psi abs.) for measurements in gas phase			
Measuring Interval	1 to 360 s (Oxy 4100: 15 s)			
Ambient temperature / Humidity	-5 °C to +50 °C / 0 % rH to 90 % rH (non-condensing)			
Power supply	SELV DC 24 V (DC 20 V to 30 V), max. 1.6 W			
Dimensions HxWxD	Oxy 4100/5100: 162x162x215 / Pressure sensor for CO ₂ Purity Monitor: 80x80x120			