

	Oxygen	pH*
Specifications		
Measuring range	0 - 100 % O ₂	5.5 - 8.0 pH
Response time (t ₉₀) at 25 °C	< 60 sec.	< 60 sec.
Resolution	± 0.01 % O ₂ at 0.21 % O ₂ ± 0.1 % O ₂ at 20.9 % O ₂	± 0.01 pH at pH = 7**
Accuracy	± 0.4 % O ₂ at 20.9 % O ₂ ± 0.05 % O ₂ at 0.2 % O ₂	± 0.1 pH at pH = 7 with one-point adjustment ± 0.2 pH at pH = 7 with pre-calibration
Drift	< 0.01 % O ₂ per day (sampling interval of 1 min.)	< 0.01 pH per day (sampling interval of 1 min.)
Properties		
Temperature range	from 5 °C to 50 °C	
Compatibility	Aqueous solutions, ethanol (max. 10 % V/V), methanol (max. 10 % V/V), pH 2 - 10	
Cross-sensitivity	Typically no cross-sensitivity in culture media	Reduced to ionic strength (salinity); a high concentration of small fluorescent molecules in the visible range can interfere
Storage stability	12 months provided the sensor is stored in the dark	
	Sensor flasks are delivered irradiated.	

*provided Sensor Flasks are used without further handling in physiological solutions

** at 100 rpm & cell culture media