

Specifications*	
Measuring range	1 – 25 % CO ₂ at atmospheric pressure (1013.15 hPa) 10 – 250 hPa pCO ₂ 8 – 180 mmHg pCO ₂
Response time (t ₉₀) at 20 °C	< 3 min. for change from 2 % to 5 % (15 mmHg - 38 mmHg) pCO ₂
Resolution at 20 °C	± 0.06 % at 2 % CO ₂ ± 0.15 % at 6 % CO ₂ ± 0.5 mmHg at 15 mmHg pCO ₂ ± 1.2 mmHg at 45 mmHg pCO ₂
Drift at 37 °C **	typically < 5 % of reading per week
Precision	± 5 % of reading or 0.2 % (1.5 mmHg); whichever is higher
Operating temperature	From + 15 °C to + 45 °C
Properties*	
Compatibility	Aqueous solutions, pH 4 – 9
Cross-sensitivity	Optical pCO ₂ sensors display reduced cross-sensitivity to ionic strength (salinity); acetic acid, SO ₂ , HCl vapours
Stability	pCO ₂ sensors do not stand: organic solvents, pH above 10 or below 4
Storage	12 months provided the pCO ₂ sensor is stored in its original package
Cleaning	Depends on the sensor type used - please ask our experts
Calibration	pCO ₂ spots are pre-calibrated; re-calibration is possible Beta-irradiated or autoclavable pCO ₂ sensors available

* provided pCO₂ spots are used without further handling in physiological solutions

** in a carbon dioxide incubator with 100 % rel.Hum. at 5 % CO₂; measurement interval of 1 min.