

Advantages

- > robust and multi-functional
- > low maintenance
- > favourably priced
- > independent of the gas flow
- > measuring directly on the spot, where the process takes place (in-situ)
- > no extra gas lines or gas coolers needed
- > high reliability by use of parallel systems
- > connectable to all standard fixing systems
- > standardized data transfer
- > real time process optimization
- > aluminum housing on demand available with display

Application areas

- > pharmaceutical industry
- > biogas plants
- > fermentation processes
- > laboratory
- > large industrial plants
- > (parallel) bioreactors
- > connection to disposables, and lots more....



Sensor	BCP-CO₂	
Principle	Infrared, dual wavelength	
Measuring range	0-10 Vol.%, 0-25 Vol.% 0-50 Vol.%*	
Drift	< ± 2% value / year	
Accuracy	<0,2% FS** ± 3% value	
Housing	Aluminium (IP65), PA	
Dimension/Weight	100x100x130 mm WxDxH/750g (Aluminium) 80x130mm DxH/150g (PA)	
Mechanical connector	G 1¼", GL 45, Tri-Clamp SMS38, hose connection 4-12 mm etc.	
Operating temperature	Temperature difference max. 25°C (45 °F) e.g. 15 - 40 °C (59 - 104°F)	
Storage temperature	0 °C - +60 °C	32 °F - 140 °F
	< 75% RF non-condensing	
Pressure range	0.8 - 1.3 bar	11.6 - 18.85 psi
Lifetime of optical components	approx. 3 years	
Power Supply	12 oder 24 VDC, 1A	
Output	RS 232, RS 485, 4-20 mA, USB, Ethernet	

*others on request ** full scale