BlueSens

understanding bioprocesses

Data Sheet

BCP-CO_2

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-CO_2 for in-situ measuring

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BCP-CO_2

Sensor	BCP-CO_2
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 absolute pressure
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

BlueSens gas sensor GmbH
Snirgelskamp 25 · 45699 Herten · Germany
Phone +49 2366 4995-500 · Fax +49 2366 4995-599
e-mail: info@BlueSens.de