

Data Sheet

BCP-CH₄

Advantages

- > robust and multi-functional
- > compact
- > measuring on the spot, where the process takes place (in-situ)
- > no extra gas filter or cooler needed
- > connectable to all standard fixing systems
- > standardized data transfer
- > real time process optimization
- > on demand available with display

Application areas

- > combined heat and power plants
- > biogas plants
- > large industrial plants



**Methane sensor BCP-CH₄
for in-situ measurement**

Data Sheet

BCP-CH₄

<i>Sensor</i>	BCP-CH₄	
<i>Principle</i>	Infrared, dual wavelength	
<i>Measuring range</i>	CH ₄ 0...100 Vol. %	
<i>Drift</i>	< ± 2% reading/year	
<i>Accuracy</i>	< 0,2% FS** ± 3% reading	
<i>Housing</i>	Aluminum (IP65), PA	
<i>Material</i>	Steel 1.4571, Sapphire, Viton, PTFE	
<i>Dimension / Weight</i>	100x100x130 mm WxDxH/ 750g	
<i>Connection</i>	G 1¼", GL 45, Tri-Clamp, hose connection 4-12 mm etc.	
<i>Operating Temperature</i>	-25 °C - +55 °C 15 °C - +40 °C 30 °C - +55 °C	-13°F - +131°F 59°F - +104°F 86°F - +131°F
<i>Storage temperature</i>	0 °C - +60 °C	32°F - 140°F
	< 75%RH non-condensing	
<i>Operating humidity</i>	0...100 Vol.% RH	
<i>Pressure range</i>	0.8 - 1.3 bar absolute pressure*	11.6 - 18.85 psi absolute pressure*
<i>Pressure dependence</i>	compensated max. ± 3% reading (range)	
<i>Power supply</i>	12 or 24 VDC, 1A	
<i>Output</i>	RS 232, RS 485, 4 - 20 mA, Ethernet	
<i>CE</i>	EN61326-1:1997 +A2:1998	

*others on request ** full scale

