

The Vaisala MGP260 series for biogas & offgas biomethane

Be Greener. Profitably.



From producing biogas to upgrading it to biomethane, Vaisala helps you deliver. Whether you are looking to increase your biogas yield and quality or making sure your biogas to biomethane upgrading keeps you both profitable and green, Vaisala offers you the next generation solution to do just that.

Optical, in situ and truly robust

The MGP261 and MGP262 are the first Ex-certified instruments for measuring methane and carbon

dioxide directly inside a biogas pipe. Benefits include compact size, eliminating moving parts and a vastly lower maintenance need.

Helping you put the economy into circular economy

The green economy has been a long time coming. The MGP261 & MGP262 let you eliminate inefficiencies in both biogas production and upgrading it to biomethane. Because knowledge beats guesswork, we help you gain always-on control of your whole biogas process and make the economics work for you.



Vaisala MGP260 series

- Compact
- Ex certified to zones 0/1
- Installs directly in situ in the process line
- Patented CARBOCAP® IR technology improves accuracy and minimizes the need for calibration



MGP261 — Turn your biogas plant on



The award-winning MGP261 solves the biggest problem in biogas production — yield. The MGP261 helps you improve anaerobic digestion of industrial and municipal waste, wastewater treatment, and landfill gas monitoring — and protect your combined heat and power (CHP) engine.

Robust and compact, this 3-in-1 methane, carbon dioxide and humidity probe gives you always-on, highly reliable measurements — so you can increase your yield. Are you ready to turn your biogas plant on?

MGP262 — Don't let your profits slip

The MGP262 for offgas methane & high-concentration CO₂ helps make sure your upgrading unit runs the way you need it to run — without inefficiencies.

While some methane always escapes, the MGP262 is your one-stop tool for minimizing costly and harmful methane slip. With its always-on measurement, the MGP262 gives you the ability to control your process and focus on producing the best biomethane possible.

	 Vaisala MGP261 Methane, carbon dioxide and humidity multigas probe	 Vaisala MGP262 Methane and carbon dioxide multigas probe
Primary use	Raw biogas monitoring	Biomethane offgas monitoring
Installation type	In situ	
Sensor	CARBOCAP®	
Methane CH ₄ measurement range	0 ... 100 vol-%	0 ... 5 vol-%
Carbon dioxide CO ₂ measurement range	0 ... 100 vol-%	0 ... 100 vol-%
Water vapor H ₂ O measurement range	0 ... 25 vol-%, -10 ... +60 dew point °C (14 ... +140 dew point °F)	n/a
CH ₄ accuracy at +25 °C (+77 °F) and 1013 mbar ¹⁾	0 ... 40 vol-%: ±2 vol-% 40 ... 70 vol-%: ±1 vol-% 70 ... 100 vol-%: ±2 vol-%	0 ... 2 vol-%: ±0.1 vol-% CH ₄ 2 ... 5 vol-%: ±5% of reading
CO ₂ accuracy at +25 °C (+77 °F) and 1013 mbar ¹⁾	0 ... 30 vol-%: ±2 vol-% 30 ... 50 vol-%: ±1 vol-% 50 ... 100 vol-%: ±2 vol-%	90 ... 100 vol-%: ±1 vol-% 0 ... 90 vol-%: ±2 vol-%
H ₂ O accuracy at +25 °C (+77 °F) and 1013 mbar ¹⁾	0 ... 25 vol-%: ±0.5 vol-%	n/a
Repeatability CH ₄	±0.5 vol-% at 60 vol-%	< ±0.1 vol-% at 1% CH ₄
Repeatability CO ₂	±0.3 vol-% at 40 vol-%	±0.4 vol-% at 95 vol-%
Repeatability H ₂ O	±0.1 vol-% at 10 vol-%	n/a

¹⁾ Including non-linearity, calibration uncertainty, and repeatability; temperature and pressure compensated, excluding cross-interferences to other gases.

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