

Gas Analyzer for Biogas/Biomethane

INCA 4000 T100



Application

Process gas analyzer for measuring biogas, biomethane, landfill gas and sewage gas

Product Characteristics

Discontinuous measurement. The instrument is equipped with a process gas cooler. The components methane (CH₄), carbon dioxide (CO₂), oxygen (O₂) and hydrogen sulfide (H₂S) are analyzed in condensate free or wet gas. The gas is aspirated from the measuring point, which can be at a distance of up to 10 m. Two calibration gas inputs allow time-controlled periodic calibrations. The patented μ Pulse technique leads to extended lifetime of the H₂S sensor.

Technical Specification

Type: INCA 4000 T100

	Measuring range	Accuracy	Measuring process	Measuring intervals
CH ₄	0–100 Vol.-%	+/- 1 %*	NDIR	≥ 15 min
CO ₂	0–100 Vol.-%	+/- 1 %*	NDIR	≥ 15 min
H ₂ S	0–10.000 ppm	+/- 3 ppm and +/- 20 %**	EC, μ Pulse	≥ 15 min
O ₂	0–25 Vol.-%	+/- 1,5 %*	EC	≥ 15 min
Condensate	yes			
Dew point	> 4 °C			
Weight	29 kg			
Dimensions (WxHxD)	740 x 630 x 220 mm			
Power supply	AC voltage, 100–240 V, 50/60 Hz, max. 600 watts			
Gas input	1			
Calibration inputs	2			
Protection class	IP44			
Interface	RS-232			
Options				
Data outputs	4 or 8 analog outputs (0–20 mA or 4–20 mA), 3 relays			
Field bus	Ethernet, Profibus-DP, Modbus, Modbus-RTU, Modbus-Plus, Profinet			

* of upper range value

** of measured value