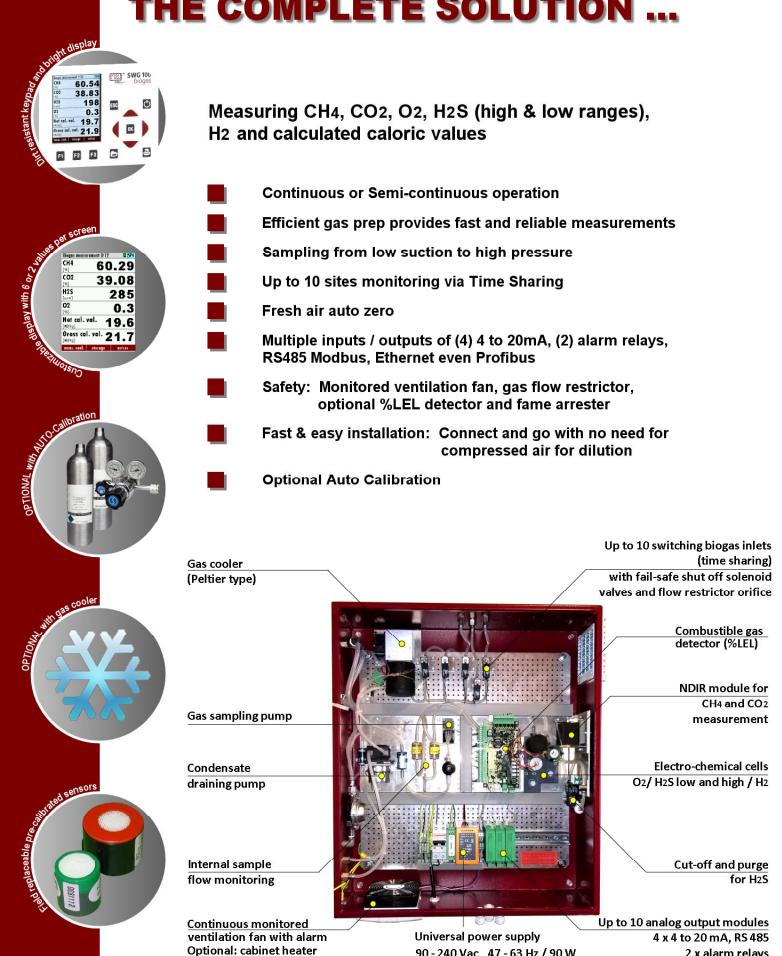


LANDFILL & BIOGAS ANALYSIS

For optimizing production, performance, and reporting



HE COMPLETE SOLUTION

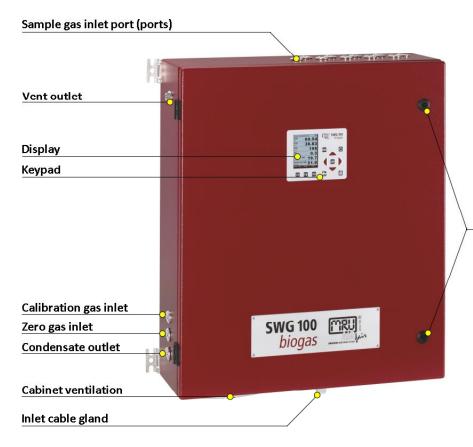


90 - 240 Vac 47 - 63 Hz / 90 W

2 x alarm relays

THE IDEAL SOLUTION FOR ...

- Landfill sites
- Anaerobic digesters
- CHP / WTE cogeneration engines
- Municipal or industrial waste water treatment plants
- Flare inlet / outlets
- CPG production
- Food or animal waste process plants
- Coal bed methane sites











Cabinet lock





TECHNICAL SPECIFICATIONS

N/		nonto		Macauring mathed	
Measurement components		nents	Measuring range	Measuring method	
CH4	Methane		0 - 100 %	NDIR	
CO2	Carbon dioxide		0 - 100 %	NDIR	
02	Oxygen		0 - 25 %	electrochemical, continuous	
H2S	Hydrogen sulfide	LOW	0 - 200 / 1,000ppm	electrochemical, discontinuous	
H2S	Hydrogen sulfide	STANDARD	0 - 2,000ppm / 4,000ppm	electrochemical, discontinuous	
H2S	Hydrogen sulfide	HIGH	0 - 10,000ppm / 50,000ppm	electrochemical, continuous	
H2	Hydrogen		0 - 1,000ppm	electrochemical, discontinuous	
Calculated component			Calorific value: 0 – 50 MJ/m3; MJ/kg		
HMI human machine interface			3.5" TFT color display Backlit keyboard, password protected operation 4x analog output 4-20 mA, floating, max. load 500R 2 alarm relays, potential free contacts 24 Vdc/5 A RS485 digital interface (Modbus RTU) DIN-rail RS485 / Profibus converter		
System safety components			Monitored cabinet ventilation fan Stainless steel flow restrictor orifice Sample gas shut-down solenoid valve LEL (CH4) monitoring inside cabinet		
Sample preparation			Stainless steel gas fittings with 1/8" ID threads Electric gas cooler Teflon particulate filter, internal Viton hosing Monitored and regulated sample flow 4060 l/h Sample inlet pressure: -40 inH2O to +120 inH2O (-100 mbar to +300 mbar) Sample venting: atmosphere pressure		
Cabinet dimensions Weight / Protection			Aluminum with anti-corrosive structural painting 27.55" x 23.61" x 8.26" (700 x 600 x 210 mm) (H x W x D) for wall or rack mounting 55lbs (25kg) / IP54		
Ambient temperature			41°F113°F (+5°C+45°C) or -4°F113°F (-20°C+45°C) with cabinet heater		
Installation site			Indoor or outdoor (rain and sun shade is mandatory user scope of supply)		
Cabinet conditioning			Continuous, monitored fan ventilation Cabinet heater 200 W (option)		
Power supply			Universal 90 - 240 Vac / 47 - 63 Hz / 90 W (300 W with cabinet heater)		

ASKCO de México S. A. Monterrey, N. L., México Tel.: +52 (81) 8348.7447 www.askcomx.com Support and sales by:



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