

COMBIMASS[®] Gas Analysis Systems

ATEX certified biogas analysers

The new Series of handheld field instruments mark a step change in the design, performance and maintenance of portable biogas analysers. They meet all current demands from the landfill, biogas and contaminated land monitoring markets. Incorporating plug in sensors and user replaceable battery packs the **COMBIMASS[®]GA-m** series leads the way for easy expansion, easy upgrade and easy maintenance. Binder's open upgrade path design philosophy guarantees that any model can be upgraded at any time.

Special Features COMBIMASS[®] GA-m

- Up to 7 gas analysis channels
- 4 Wavelength optical infra-red analyser with pressure- and temperature compensation
- Powerful sample pump
- User replaceable sample filter
- Field replaceable/rechargeable battery pack
- Optional flow and temperature probes
- Display of compensated biogas mass flow in Nm³/h with optional insertion sensor



Specification	COMBIMASS [®] GA-m	COMBIMASS [®] GA-m1 (GA-m2)
Infra red CH ₄ analysys	0-100%	0-100%
Infra red CO ₂ analysys	0-100%	0-100%
LEL	0-100%	0-100%
Electrochemical O ₂ analysys	0-25%	0-25%
Electrochemical H ₂ S analysys	0-2000 ppm	0-2000 ppm, (0-5000 ppm)
Electrochemical NH ₃ analysys	0-1000 ppm	-
User specified gas channels	1	Up to 3
Recalibration / maintainance	With testgas 1-2 times per year	
Gas flow, 4 – 20 mA input, pressure- and temperature compensated	0.01-27.5 Nm/s 0 – 12000 Nm ³ /h, depending on iD	
Gas temperate sensor input	-10 to 100°C	
ATEX classification	EEx ib IIB T1 (Zone 1,2)	
Communication	USB, optional RS232	
Stationary operation	with optional docking station	
Datalogger	More than 2000 sets of data	