

With the GA-MI, you receive an instrument that meets the highest standards of precision and stability. Thanks to a flexibly configurable number of gas inlets, gas mixtures can be generated precisely according to your individual requirements.

The integrated digital mass flow controllers ensure reliable accuracy, stable processes, and excellent reproducibility. Whether for buffer tank filling or direct supply, you have full control. Typical flow rates range from 50 l/min to 300 m³/h, with a standard pressure range of 0 - 10 bar. Other pressure ranges can be provided on request.

The intuitive touch panel enables easy operations; external start-stop signals can also be integrated. In addition, a convenient remote access feature allows for control, monitoring, and data analysis from anywhere.

For maximum process safety, the GA-MI optionally offers continuous gas analysis, ensuring permanent quality and process control. The integrated data logger automatically records all parameters, while the optional cloud connection ensures maximum transparency. A user-friendly dashboard allows process monitoring, and the integrated reporting tool generates detailed evaluations and reports for your quality documentation.

SPECIFICATIONS

Total flow	0 – 5000 l/min
Gas temperature	0 – 50 °C
Inlet pressure	0,2 – 10 bar g
Outlet pressure	0 – 9 bar g
Mixing ratios	ppm und %
Flow controller accuracy	± 0,3 % of full scale plus ± 0,5 % of reading
Operating principle	Seperate digital control of individual gas streams
Operating modes	Pressure or flow control
Versions	With or without integrated analysis
Number of gases	Unlimited

SYSTEM

Dimensions	1000 x 600 x 250 mm
Weight	60 kg (may vary depending on configuration)
Protection class	IP40
Ambient temperature	0 – 40 °C
Humidity	0 – 95 %rH, non-condensing
Gas connections	Compression fittings 6 mm 8 mm 12 mm 18 mm Cutting ring fittings with elastomer seal 28 mm
Power supply	100 – 240 VAC, 50 – 60 Hz, 1A
Communication	LTE-Modem, USB, LAN
Languages	Multilingual user interface

ANALYSIS

CO ₂ O ₂	ppm und %
H He	0 – 100 %
H ₂ O - absolute residual moisture	0,1 ppm – 0,6 % (-80 - 0 °C dew point)
NO	ppm

APPLICATIONS

Welding	Biotech	R&D
Microelektronics	Medical technology	Art
Food gases	Life science	Inertization of industrial processes

**FEATURES**

- PRESSURE MONITORING
for inlet and outlet
- REMOTE ACCESS
control | operation
- ALARMING
SMS and email alerts | Relay contacts
- FLOW CONTROLLERS
High Performance
- INDUSTRIAL CONTROL
7 " Touchscreen

