



IGM

Industrial Gas Mixer

There are processes in the industry in which it is critical the correct manipulation of gas flows. One of the most common operation is the blending of 2 or more gases available from gas cylinder standards, either pure or premixed with certified gas component concentrations.

The solution developed by GOMETRICS makes it really easy to carry out the operations of manipulation of these gases with a high level of performance. Thanks to a very versatile and proprietary software the IGM allows the engineer, researcher or technician to optimally generate the required gas blend for your process in a matter of seconds. Typical applications include calibration of gas detectors, linearity analysis for analyzer verification, packaging for the preservation of food, material surface treatments and biochemical reactors.

Its design has prioritized precision, versatility and simplicity of use and safety. Optionally it can be supplied with a EN17025 accredited certificate in gas flow. Of course the after-sale commitment by GOMETRICS will ensure a long life.

— Features

- Controllable flow rates per channel: 8sccm to 350slpm
- Channels: has 1 channel input balance and up to 3 span gas inlets
- Gases: configurable gas types including premixes
- Available for high pressure (e.g. 60 bar)
- Touch screen
- Reliability and repeatability
- Compact and easy to transport
- Safety and durability
- Easy to use software

A product manufactured and marketed by



— Technical Characteristics

Max. inlet pressure	60 bar abs (higher please ask)
Input	Reference gas: up to 3 gas cylinders Balance gas: connection to 1 cylinder of inert gas
Output	One flow regulated output at specified concentration
Inlet gas type	Pure gas, mixed gas (configurable)
Power supply	220VAC (with optional internal battery)
Flow rates per channel	Each channel specify between 8 sccm and 350 slm
Maximum output flow (mix)	350 slm (others on request)
Accuracy and repeatability per channel	Repeatability: $<\pm 0.2\%$ of reading Accuracy: $< +1\%$ of reading (for flow $>20\%$ of range)*

* For the calibration gas

— Dimensions

