



3 Channels Gas Mixer

GAS BLENDER 100 Series

ACCURATE. COMPACT. RELIABLE.



The MCQ Gas Blender 100 Series is the solution for non-aggressive gas mixing and gas dilution problems. Instead of multi-channel solutions using mass flow controller and external power supply and readout, MCQ Instruments offers a three-channels gas mixer solution in a compact box at a very convenient price (**Lab in a Box**).



LAB IN A BOX

All the tools at hand, one, compact and easy to transport box. The modularity approach allows to realize multi functional systems in a compact structure.



MICRO FLOW & FAST

MCQ has specialized in the control of small flow rate in a very fast control, with a response times for the change of the setpoint of 50 ms on a single channel.



MULTI GAS MIXER

Create your dynamic mixture starting from 3 pure gases cylinders and with this compact instrument. It allows an important cost saving management.

EASY TO INSTALL, TO SET, TO USE



“Mixture Creator Free” allows to manage the mixing process by intervening directly on the single channel to modify and control the final blending or the final dynamic dilution. It also allows the management of each channel to define the input gas type provided from your own cylinder.

“Mixture Creator Pro” adds the ability to set your supplied particular gas mixture and to create, save and load your own dynamic mixture program. You can also choose the percentage of each channel and set the time you want to supply each mixture you have created.



SPECIFICATIONS

Accuracy (for each channel)	N2, 20 °C, 101.325 kPa (1 atm) 5-100% FS: 1% of set point < 5% FS: 0,2% of FS
Repeatability	0,16% of reading
Response time (for each channel)	50 ms
Power Supply	16-36 VDC - Min1,5 A
Operation Pressure	Max 25 psi
Working Temperature	0-50 °C
Mass Flow Rates (for each channel)	0 - 500 sccm (standard) FS 200 sccm on request
Gases	All non-aggressive gases
Input Channel	USB PC Interface RS 485 with open proprietary protocol
Output Channel Fittings	0-5V, Max 80 mA Push-in fittings for 6-4 mm tubes. Other on request
Inlet Gas Channel	3 Input
Outlet Gas Channel	1 Output of mixed gases
User Interface	Gas mixing software. 1 LED signal interface



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