

# GB 15k Series

## 3 Channels GAS Mixer

Each Channel: 0 – 15000 mL/min  
Accuracy: 2.0%  
Repeatability: 0,20% of reading  
Response time: 1 s  
Software bundle.



[www.mcoqinst.com](http://www.mcoqinst.com)  
[info@mcoqinst.com](mailto:info@mcoqinst.com)

## For INDUSTRIAL Flows

Total Mixture Flow Rate: Up to 45 L/min



### Up to 3 Channels.

GB 15k can manage and mix up to 3 different sources of gas with incredible high precision, creating accurate gas mixtures.

### Touch Screen.

Our Touch Display allows you to manage and control any value and parameter of your flows in real time and without effort.

### Compatible.

The integrability with ProfiBus, ModBus, & Matlab Simulink gives the possibility of an easy integration into other systems.

## Accurate. Compact. Reliable.

*“Gas Blender 15K Series is an innovative all-in-one replacement for traditional mass flow controllers multi-channel solutions. Our device allows up to 3 channel gas mixing processes, all in a single box ready for a rack mount.”*

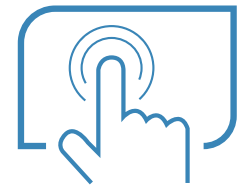
*All parameters could be controlled by the Resistive Touch Panel specifically designed for industrial applications.”*

## Specifications.

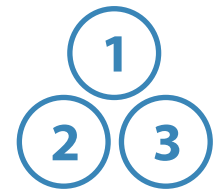
<b>Accuracy:</b> (for each channel)	N <sub>2</sub> , 20 °C, 101.325 kPa (1 atm): 0,1-100% / FS: 2% of setpoint
<b>Repeatability:</b>	0,20% of reading
<b>Response time:</b> (for each channel)	1000 ms
<b>Power Supply:</b>	In Bundle
<b>Operation Pressure:</b>	Max 5 bar
<b>Working Temperature:</b>	0-50 °C
<b>Mass Flow Rates:</b> (for each channel)	0 – 15000 mL/min (standard)
<b>Total Mixture Flow Rate:</b>	Up to 45 L/min
<b>Gases:</b>	N <sub>2</sub> , O <sub>2</sub> , CO <sub>2</sub> , CH <sub>4</sub> , Air, He, H <sub>2</sub> (additional gases supported on request)
<b>Compatibility:</b>	Profibus, Modbus, Matlab Simulink
<b>Communication:</b>	RS485 with open proprietary protocol
<b>Fittings:</b>	Depends from the applications.
<b>Inlet Gas Channel:</b>	3 Inputs
<b>Outlet Gas Channel:</b>	1 Output of mixed gases
<b>User Interface:</b>	Resistive Touch Display.
<b>Certifications:</b>	CE, Made in Italy



**Industrial Rack.**  
Industrial rack mount  
box ready.  
Easy assembly routine  
and integration for any  
industrial application.



**Touch Screen**  
The Resistive Touch  
Display allows you to  
control the parameters  
via the screen with  
latex or work gloves.



**3 Channels.**  
You can customize the  
number of channels  
you will need for your  
solutions.

