MAP Check 3 Pressure

A flexible way to control your gas

Everyone knows that gas is invisble. Your bottom line could also become more invisible if the wrong gas mix is supplied to your process. In order to ensure that you are always getting the right blend of gas we have designed the MAP Check 3 Pressure. A simple and efficient gas analyser that measures pressurised gases directly from a gas mixer, buffer tank or any other pressurised source.

With the ability to measure both oxygen and carbon dioxide it can check your gas for oxygen impurities and at the same time measure the balance between the gases. The MAP Check 3 also covers you in case your process requires traceability. It has internal data storage capabilities as well as ethernet, USB and serial connections for external data storage.

The MAP Check 3 Pressure also works perfectly in tandem with the MAP Mix Provectus gas mixer. By letting the MAP Check 3 monitor the output of the gas mixer you will be in complete control of your gas mix - if anything goes wrong with the mix the MAP Check 3 will ensure to stop the gas mixer.

Benefits

- Ensures that the right gas mix is supplied to your process

- Logs and displays actual gas mix

- Works with inlet pressures from 2-10 bar (30-145 psi)

- Can stop your process before the wrong gas mix is supplied

Features

- 5" colour touch screen

- Improved data logging capabilities with USB, Ethernet, TCP Modbus

- Ability to remote control the MAP Mix Provectus gas mixer

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HOW DOES
IT WORK?

1: Before running the MAP Check 3 for the first time, enter the exact tolerances for the gas mixture you want to achieve. Both upper and lower values can be entered for each gas.

2: During operation the MAP Check 3 will continuously measure the oxygen and/or carbon dioxide levels in your gas mix.

3: If the oxygen or carbon dioxide level is close to the limits, MAP Check 3 notifies the operator. If the limits are exceeded, MAP Check 3 stops the process.

PBI-DS-Dash-gastec-MAP Check 3 Pressure-EN-1

Technical Specifications

Available sensors	O_2 sensor	CO_2 sensor
Key features	Our fastest and most accurate oxygen sensor 0-100% range	Temperature controlled dual beam infrared carbon dioxide sensor, 0-100% range
Accuracy	± 0.01% absolute range below 1% O_2 ± 1% relative in range above1% O_2	± 0.5% absolute ± 1.5% relative of reading
Heating time	10 min	8 min
General standard features		
Models	Oxygen only, carbon dioxide only or combined oxygen and carbon dioxide	
Connections	2 x RS232C, LAN 10/100 Mbit (Modbus TCP), USB, current or voltage output, 24 VDC logic for start/stop of process and alarms	
Power supply	103 -132 / 207-264 VAC (auto ranging), 47- 63 Hz	
Dimensions	192 x 230 x 375 mm (H x W x D)	
Weight	8.5 - 11.5 kg (depending on model)	
Compliances	CE	
Gas inlet pressure	2 to 10 bar (30 to 145 psi)	
Gas media	Dry, clean and non-corrosive gasses	
Accessories (optional)		
Protection kit	IP45 protection (better than NEMA 3S)	
Bracket, assembley	2 brackets, 8 screws	

Specifications subject to change without notice.

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