# Dansensor®
# MAP Check 3 Pressure
## A FLEXIBLE WAY TO CONTROL YOUR GAS



*MAP Check 3 Pressure - Works perfectly in tandem with the MAP Mix Provectus*

## 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
- Excellent data logging capabilities with USB, Ethernet, TCP Modbus
- Optional integrated control of the Dansensor MAP Mix Provectus gas mixer

## Gas analyzer for quality assurance of pressurized gas mixes

Everyone knows that gas is invisible, but your bottom line could also become less visible, if the wrong gas mix is supplied to your process. In order to ensure that you always get the right blend of gases, we have designed the Dansensor® MAP Check 3 Pressure. It is a simple and efficient gas analyzer which precisely measures pressurized gases directly from a gas mixer, buffer tank or other sources.

With the ability to measure both oxygen and carbon dioxide, it can measure the balance between the gases, while checking your gas mixture for oxygen impurities. The Dansensor MAP Check 3 Pressure also provides traceability. It has internal data storage capabilities, as well as ethernet, USB and serial connections for external data storage.

The Dansensor MAP Check 3 Pressure works perfectly in tandem with the Dansensor MAP Mix Provectus gas mixer. By letting the Dansensor MAP Check 3 Pressure monitor the output of the gas mixer, you will be in complete control of your gas mix. If anything goes wrong with the gas mix, the Dansensor MAP Check 3 Pressure stops the gas mixer.

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# HOW DOES
# IT WORK?

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

**2:** During operation, the Dansensor MAP Check 3 Pressure continuously measures the oxygen and/or carbon dioxide levels in your gas mix.

**3:** If the oxygen or carbon dioxide level nears the preset limits, Dansensor MAP Check 3 Pressure notifies the operator. If the limits are exceeded, Dansensor MAP Check 3 Pressure stops the process.

## 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$_2$<br>± 1% relative in range above1% O$_2$ | ± 0.5% absolute<br>± 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 (HxWxD) | |
| 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 (NEMA 3S) | |
| Bracket, assembly | Can be combined with MAP Check 3 and MAP Check Vacuum: 2 brackets, 8 screws | |

*Specifications subject to change without notice.*

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