

Technical Data Sheet

GAS DETECTOR GIP-P-CO2



sensor made in Switzerland



Features

- High quality sensor of Membrapor brand from Switzerland
- Big screen LCD real-time display gas concentration
- Sound and light alarm, can be set at high and low point
- 3-color display to indicate the alarm status
- Two relay to control peripheral devices
- Good sealing, anti-corrosion, explosion-proof and anti EMI, RFI function
- Round casting stainless steel housing is suitable for offshore platforms, as well as high temperature, high humidity and other harsh environments

Technical Data

Gas type : Carbon dioxide (CO₂)
Measuring type : Pipeline
Measuring range : 0...2000 ppm/ 0...5000 ppm/ 0...10000 ppm
 0...5/ 0...10/ 0...20/ 0...30/ 0...50/ 0...100 %vol
Accuracy : ±2% of full scale
Resolution : 1 ppm/ 1 ppm/ 1 ppm
 0.01 %vol/ 0.01 %vol/ 0.01 %vol/ 0.01 %vol/ 0.1 %vol/ 0.1 %vol
Sensor type : Non-dispersive infrared sensor (NDIR)
Life expectancy : 5...10 years
Preheating time : 60 seconds
Operating temperature (body) : -20...+60 °C
Operating temperature (sensor) : 0...+50 °C
Operating humidity : 0...85 %RH
Operating pressure : -0.3...+0.3 barG
Operating Gas flow rate : 0.4 - 0.8 l/min (Recommend 0.5 l/min)
Signal output : 4-20 mA (3-wire)
Relay output : 2 x Relay, 0.5A/125Vac or 1A/30Vdc
Power supply : 12...24 Vdc
Current consumption : 20...200 mA
Power consumption : ≤ 3W
Pipe connection : connection for tube I.D 4 mm
Dimension : 195 x 178 x 90mm
Weight : 2.4 kg
Body material : Cast aluminum
Electrical connection : M26 x P2.0
Explosion proof : Ex d IIC T6 Gb
Protection : IP65

Ordering code

GIP - P - CO2 - -

A : Alarm
N : None

- 2000 :** Range 0...2000 ppm
- 5000 :** Range 0...5000 ppm
- 10000 :** Range 0...10000 ppm
- 5V :** Range 0...5 %vol
- 10V :** Range 0...10 %vol
- 20V :** Range 0...20 %vol
- 30V :** Range 0...30 %vol
- 50V :** Range 0...50 %vol
- 100V :** Range 0...100 %vol

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Example



GIP - P -(gas type) - (range) - **A**
 Gas detector **with alarm**



GIP - P -(gas type) - (range) - **N**
 Gas detector **without alarm**