

## GAS DETECTOR GRI-CO2



sensor made in Switzerland



### Features

- Three kind of signal output, RS485 and 4~20mA (three wire) digital / analog signal and switch at the same time
- Big screen segment type LCD real-time display gas concentration
- Gas concentration unit optional (such as ppm, mg/m3)
- It can be set high and low alarm point, two level sound and light alarm
- 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

**Measuring type :** Diffusion  
**Sensor type :** Nondispersive infrared sensor (NDIR)  
**Measuring range :** 0...2000 ppm/ 0...5000 ppm/ 0...10000 ppm  
 0...5/ 0...20/ 0...50/ 0...100 %VOL  
**Accuracy :** ±2 %FS  
**Resolution :** 1 ppm/ 1 ppm/ 1 ppm  
 0.01 %VOL/ 0.01 %VOL/ 0.1 %VOL/ 0.1 %VOL  
**Life expectancy :** 1...3 years  
**Body material :** Cast aluminum  
**Electrical connection :** M26 x P2.0  
**Explosion proof :** Exd II CT6  
**Protection :** IP65  
**Preheating time :** 1 min  
**Alarm error :** ±10% of set value  
**Operating temperature :** -10...+40 °C  
**Operating humidity :** 0...85 %RH  
**Operating pressure :** 860...1060 hPa  
**Power supply :** 24 Vdc  
**Current consumption :** 20...200 mA  
**Power consumption :** ≤ 3W  
**Signal output :** 4-20 mA, RS485  
**Relay :** SPST relay 2 channel (0.5 A/125 Vac or 1 A/30 Vdc)  
**Weight :** 1200 g  
**Dimension :** 195 x 178 x 90mm



### Ordering code

GRI - 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  
**20V :** Range 0...20 %VOL  
**50V :** Range 0...50 %VOL  
**100V :** Range 0...100 %VOL

[www.omi.co.th](http://www.omi.co.th)

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