MEGA MEASURING INSTRUMENT

Technical Data Sheet

GAS DETECTOR

GIP-CO2

sensor made in Switzerland

Features

- High quality sensor of Membrapor brand from Switzeland
- 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 (CO_2)
Measuring type : Diffusion
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 sec
Operating temperature : -20...+60 °C
Operating humidity : 0...85 %RH
Operating pressure : 700...1300 mbar
Signal output : 4-20 mA (3-wire)
Relay output : 2 x Relay, 0.5A/125Vac or 1A/30Vdc
Power supply : 12...24 Vdc
Current comsumption : 20...200 mA
Power consumption : ≤ 3W
Dimension : 195 x 178 x 90mm
Weight : 2.4 kg
Body material : Cast aluminum
Electrical connection : M26 x P2.0

Ordering code

GIP - 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

- **Example**

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

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

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