Chlorine gas detection sensor M 2103 C

- No chemical additives necessary
- Signal proportional to gas concentration
- Minimal maintenance costs



GENERAL

The M 2103 C series chlorine gas detection sensor is designed to detect and indicate chlorine concentrations in the air and to provide safety in storage areas and in places where the gaseous chlorine and Sodium Hypochlorite are dosed.

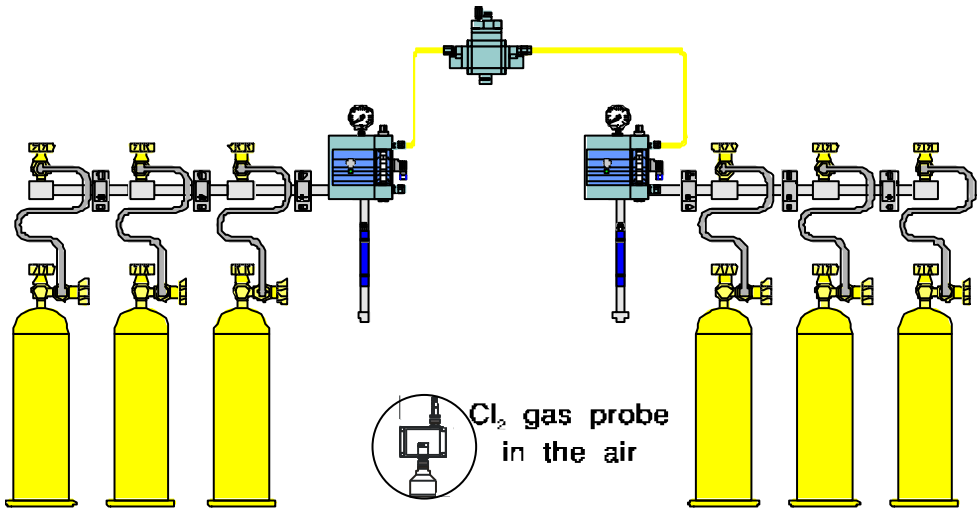
The sensor is mounted in an IP 65 housing and is connected via connector to the amplifying electronics, which is mounted on the same housing.

The sensor is connected to the unit with two-wire current loop signal and operates on the basis of chemical cell and a diffuse capillary blockade. The hydrochloric acid concentrate in the chemical cell is regenerated during the chemical reaction and a free oxygen is released; the quantity of the released oxygen defines the signal at the output.



Sensor in a separate housing.
Easy to replace!

APPLICATION EXAMPLE:



ORDER CODE

M 2103 C / X

Model
Gas type
Detection range

OPTIONS:

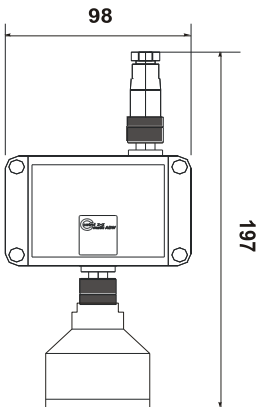
- **Gas type:** **C** = chlorine
  X = on request
- **Detection range:** **1** = 0 - 10 PPM
  2 = 0 - 20 PPM

TECHNICAL DATA

Measuring unit:	PPM*
Temperature range:	from - 20 to + 50ºC
Resolution at 20ºC:	0,1 PPM
Repeatability:	2%
Measuring range:	0-10 PPM, 0 - 20 PPM
Pressure operating range:	from 90 to 1100 mBar
Relative moisture operating range - permanently:	15-90% (Humidity)
Product lifetime (without shock concentrations):	2 years
Current output:	4 - 20 mA
Supply voltage:	9 - 26 VDC
Protection:	IP 65
Dimensions:	98 x 197 x 50 mm
Weight:	0.5 kg

** 1 PPM Cl2 = 3,214 mgCl2/m3*

MEASURE DRAWINGS



Connection schematics :

