



# Chlorine gas leak detector

Series **M 4510 C**

- ⇒ **SIMULTANEOUS 2 POINT MEASUREMENT**
- ⇒ **6 RELAY OUTPUTS**
- ⇒ **Fault indication**
- ⇒ **Easy to install**
- ⇒ **Manual test for alarm indicators**
- ⇒ **BATTERY BACKUP (OPTIONAL)**

## GENERAL

The M 4510 C series detection unit is assembled as separate signal evaluation unit with display, unit with two adjustable alarms and fault alarm, power supply unit and separate detection cell probe. Battery backup is optionally available!

The detection cell is mounted in an IP 65 housing and features 4- 20 mA output which is connected to the signal evaluation unit. Two adjustable alarms can be set and following units can be activated in case of chlorine gas leak :

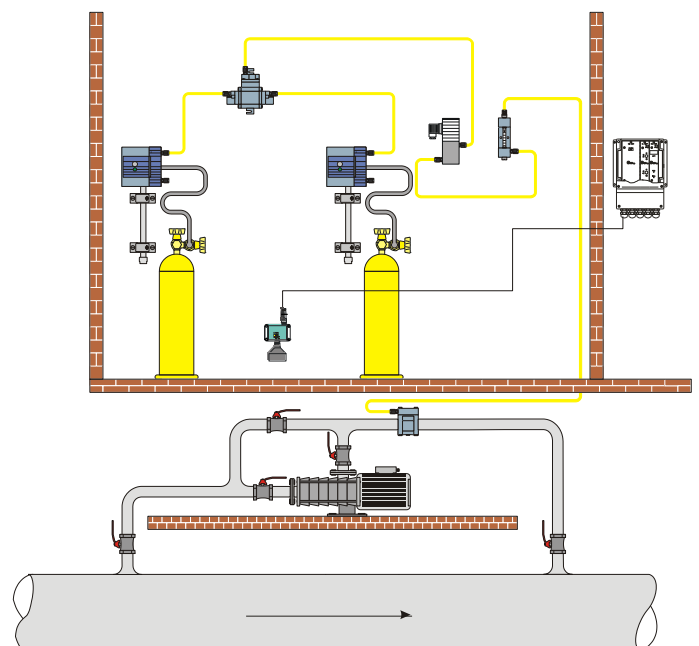
- alarm horn
- flashing light
- ventilation system
- neutralisation system

For detection cell see product information for [Chlorine gas detection sensor M 2103 C](#).



Sensor in a separate housing.  
Easy to exchange!

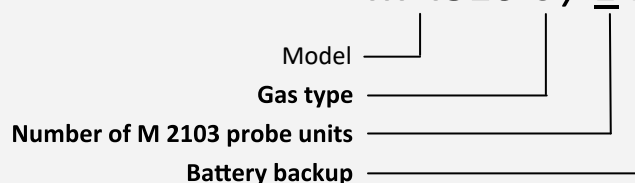
## APPLICATION EXAMPLE:



## ORDER CODE



**M 4510 C / 1 B**



OPTIONS:

"Gas type: C = chlorine

X = on request

"Number of M 2103 probe units: "1" for 1 unit

"2" for 2 units

"Battery backup: battery uninterrupted power supply included

## TECHNICAL DATA



**Detector unit ( M 4510 C):**

Measuring unit	PPM
Temperature range	from - 10 to + 50 °C
Resolution at 20 °C	0,1 PPM
Repeatability	2%
Measuring range	0 - 20 PPM
Supply voltage :	220V, 50/60Hz
Fuse :	1 A (T)
Analogue output:	2 x 4-20 mA
Output voltages :	0-10 V DC (on request)
Current input :	2 x 4 - 20 mA for sensor 1 and sensor 2
Consumption :	approx. 4 VA
Battery backup (B):	approx. 8 hours
Measuring loop resistance :	740 Ohm
Display :	LCD 4 lines, 12 characters
Relay output :	4 relay output; max: 250V/8A
Weight:	M 4510: approx. 2.5 kg M 2103: 0,5 kg
Housing protection type:	IP 65

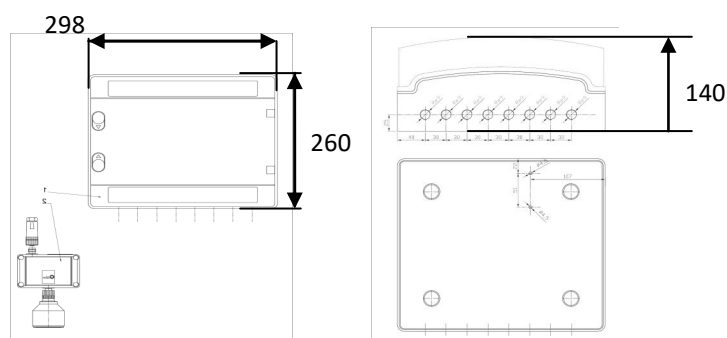
**Probe unit ( M 2103):**

For data see [M 2103 documentation](#)

## MEASURE DRAWINGS



**M 4510 C/1, M 4510 C/2**



**M 4510 C/1B, M 4510 C/2B**

