



# 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 Controlmatik ABW 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 :

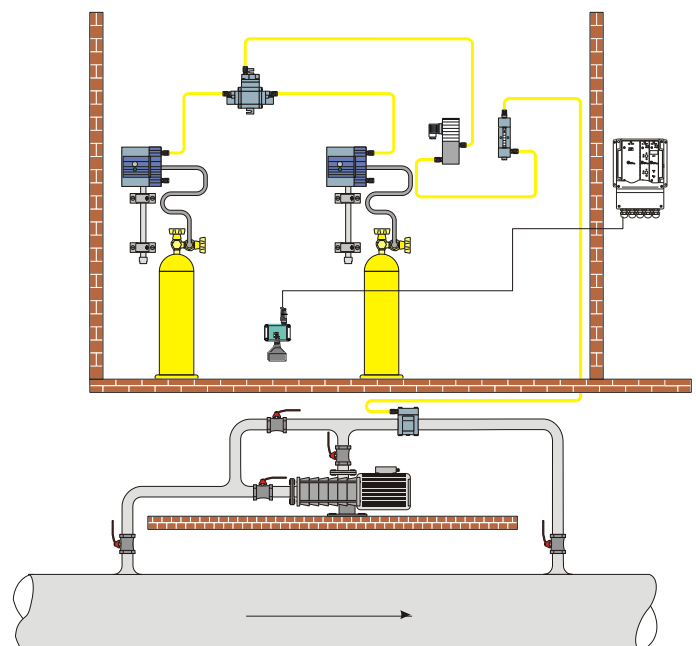
- alarm horn
- flashing light
- ventilation system
- neutralisation system

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**

**Model** ————┐  
**Gas type** ————┐  
**Number of M 2103 probe units** ————┐  
**Battery backup** ————┘

**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**

BUL00057