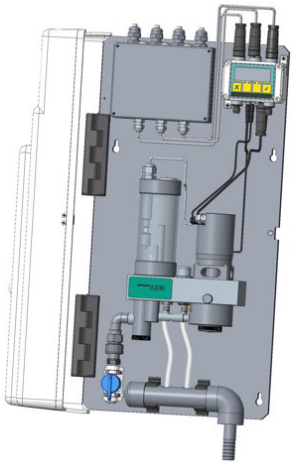


FREE CHLORINE ANALYSER

Series M 1037 C

Measuring range 0-2 mg/l



- ⇒ ***GOLD AND COPPER MEASUREMENT ELECTRODES***
- ⇒ ***ON-LINE FREE CHLORINE MEASUREMENT***
- ⇒ ***HI AND LOW ALARM***
- ⇒ ***GALVANICALLY SEPARATED CURRENT AND DIGITAL OUTPUTS***
- ⇒ ***EASY ASSEMBLING AND MANAGEMENT***

GENERAL

Free residual chlorine analyser series M 1037 C is designed for measurement and control of drinking water, waste water treatment and swimming-pool applications.

The unit consists of:

- Two electrodes (gold and copper - measurement electrodes) Optionally third reference electrode is available)!
- Measurement cell with mechanical cleaning
- Flow armature with flow through control
- Microprocessor controlled display unit with automatic temperature compensation
- Two independent relays for alarm outputs (selectable (Hi or Low) and adjustable)
- General error alarm output

Each control is equipped with two galvanic separated passive 4-20 mA signal on the amplifiers output and optionally with PI regulator output and can control dosing pumps or motor rate valve.

User can easily communicate with control unit over graphic display and four keys.

ORDER CODE

M 1037 C/ ADC R 1 S F

- **Model**
- **Automatic temp. compensation - Default**
- **CAN Communication output - Default**
- **Measuring output (4-20mA) - Default**
- **Relay out. - Default**
- **Measuring range - See Options below**
- **Reference electrode - Optional**
- **Flow indicator - Default**

OPTIONS:

- **Measuring range**: ''**1**'' for 0 to 1 mgCl2/l (0-2 mgCl2/l adjustable)
  ''**5**'' for 0 to 5 mgCl2/l (0-20 mgCl2/l adjustable)

TECHNICAL DATA

General data :

Ambient temperature:	-10...+50ºC
Relative humidity:	10...95 % non-condensating
Control unit protection:	IP 65
Dimensions:	670 x 322 x 113
Weight:	6,5 kg
Flow:	minimum 0,5 l/min
Measuring range (M.R.):	0 - 2 mg/l (0-20 mg/l)
Measuring principle: (amperometric):	**Copper-gold electrodes** (optionally third reference electrode s available)
Measured value resolution:	0,01 mg/l
Deviation of indication, measured value	maximum 2% of MR
pH range:	6.5...8
Water conductivity:	> 50µS
Automatic temperature compensation range:	0...+50ºC

Electrical data :

Supply voltage:	230 VAC ±20%
Power:	5 W Maximum
Isolation voltage:	500V (to sensor, output signal, reg. ont.)
Current output connector:	
Modules:	2
Current range:	4...20 mA
Load:	maximum 800 E
Output range:	adjustable to (MR)
Output Mode options:	- Free chlorine signal output - Temperature
Regulator connector:	
Regulator Outputs:	Relay Outputs 3 x 240 VAC / 8 A

MEASURE DRAWINGS

