

Automatic Chemical Regulation and Control Accessories

CLC2 Amperometric Chlorine Cell for measuring Free CL (PPM)

Metacrylate Amperometric chlorine cell, self-cleaning with glass balls measuring organic and inorganic free chlorine 0-10 mg



CLC2

Specifications

- Self-cleaning cell with glass balls
- Range 0÷10 ppm. Electrode Platinum/Copper in vertical position to avoid bubbles
- Flow adjustment: 40÷50 l/h or by visual adjustment (to be steady and continuous)
- Max pressure 5 bar - Max temperature 5÷60°C
- In-coming water flow adjustment
- Range 0÷10 ppm
- Max temperature 5÷60°C
- Flow rate 40÷50 l/h
- Temperature probe on request

Code	Description
CLC2	Amperometric Chlorine Cell PPM CLC2

Cleaning KIT for CLC2 Amperometric Cell

Solution for good maintenance of CLC2



MAINT-KIT



ATECPOOL suggest a simple solution for maintenance for the oxidation of platinum and copper electrodes, especially if in contact with substances which quickly deteriorate the electrodes thus interfering with measurements and optimal functioning. The operator, must simply let the peristaltic inject acid for 2/3 minutes (commercial HCL around 10% concentration) or at least a simple detergent. This until copper electrode is restored to natural colour.

Code	Description
MAINT-KIT	Cleaning Kit for CLC2 Cell

CLS2-1H Membrane ION Selective Sensor for measuring Free CL (PPM)

Membrane ion selective amperometric 3 electrodes system, integrated electronics for measuring Free Chlorine, compatible with Surfactants, Tensides, Isocyanuratic, Flocculants. ClO_2 is measured at 100%



CLS2-1H

Code	Description
CLS2-1H	Membrane ION Selective Sensor PPM CLS2-1H
CLS2-1H	
Description	
Indicator	Total Chlorine = free chlorine + combined chlorine
Measuring Method	Membrane ion selective amperometric 3 electrodes system, Integrated electronics
Suitable Chlorinating Agents	NaOCl (sodium hypochlorite); Ca (OCI)2 (calcium hypochlorite); chlorine gas; Electrolytically generated chlorine
Interference Parameters	ClO_2 measured at 100% / O_3 measured with slope approx.130%(factor 1,3 to Cl slope)
Range	0.005 2 ppm (mg/l) free chlorine
Resolution	0.001 ppm (mg/l)
Signal (nominal slope)	-1000 mV/ppm
Power supply	±5 to ±12,5 Vdc / 10 – 25 Vdc 25mA
Output signal	Analog voltage output 0 .. - 2000 mV/Output resistance 1 K Ω /NO galvanic isolation
Operating temperature:	> 5 ... < 45°C, automatic compensation by integrated resistor
pH range	pH 4÷pH 12 (low pH dependency, linear decrease approx.5% per unit increase pH)
Flow rate / Pressure	Approximately 30 l/h / 0,5 bar, no sudden pressure, impulses and/or fluctuations
Run-in time / Response	First start-up approx. 2 hours / T90 approx.2 min
Slope adjustment	Reference method DPD4 (DPD1+DPD3); Zero point calibration NOT necessary
Connection	4 poles screwable plug (NOT provided with cable, see cable for CLS sensors)
Material	Microporous hydrophilic membrane; PVC-U body, S.S 1.4571 electro polished
Dimensions	Diameter approx 25 mm / Length (analog sensor) approximately 175 mm