

CL5 Free Chlorine Sensors

Special Features:

- Amperometric Sensor Technology
- Real Time Continuous Measurement
- Ranges: 0-2, 0-5 or 0-10ppm
- Built-In Temperature Compensation
- Large Electrolyte Reservoir
- Replaceable Membrane and Electrolyte



Applications:

The CL series (free chlorine sensors) feature amperometric measurement technology. Designed for disinfection applications in water treatment, for, pools, etc., these sensors are available in three ranges for detecting ppm level of free chlorine.

Typical applications include: Industrial wastewater, Cooling water, Bottle rinsing,
Irrigation water in agriculture

Sensors output a 4-20mA signal scaled to 0-2 or 0-10ppm. Membrane cap and fill solution are easily replaceable to maximize sensor life.

Sensors can be used in new installations with Omicron flow cell or installed as replacement for other 4-20mA output free chlorine sensors.

An optional flow meter (FM001) is available to help provide consistent flow for added system stability.

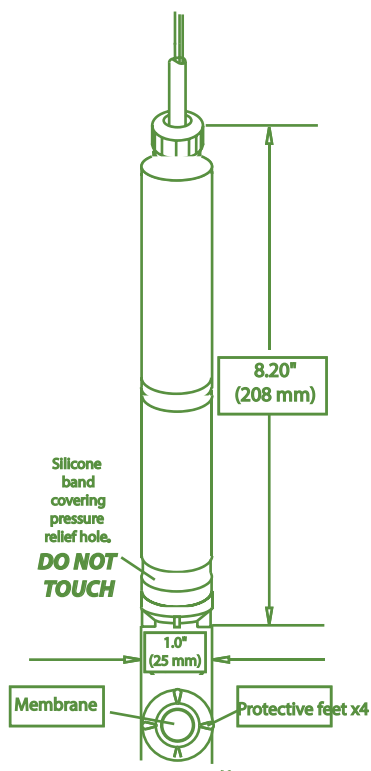
Specifications:

Measuring Range	: 0-2, 0-5 or 0-10 ppm free chlorine
pH Range	: 5.5 - 8.5
Body Material	: PVC
Membrane Cap Material	: PVC housing, Proprietary Membrane
Temperature Range	: 0 - 45°C
Maximum Pressure	: 14.7 psig (1 Bar)
Temp Comp	: Integrated
Cable Length	: 10 feet 2 conductors, tinned leads
Process Connection	: flow cell 1/4 inch FNPT threads
Output	: 4-20mA
Flow Range	: Min 0.2 gpm (45 l/hr), Max 0.6 gpm (135 l/hr)
Supply Voltage	: 12-24V DC , 250mA minimum
Cross Sensitivity	: Chlorine dioxide, Ozone, bromine, iodine

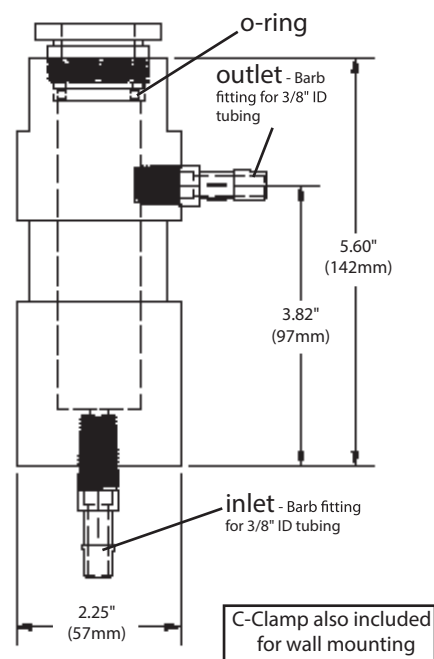


CL5 Free Chlorine Sensors

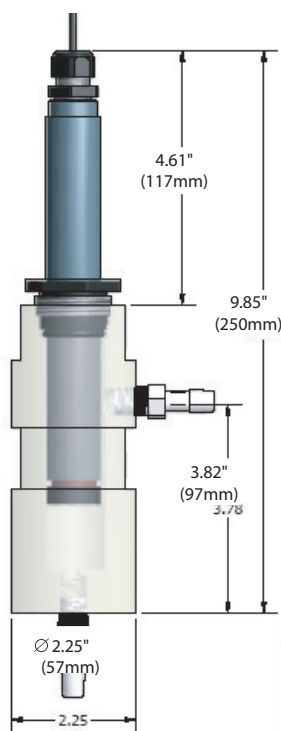
SENSORS DIMENSIONS



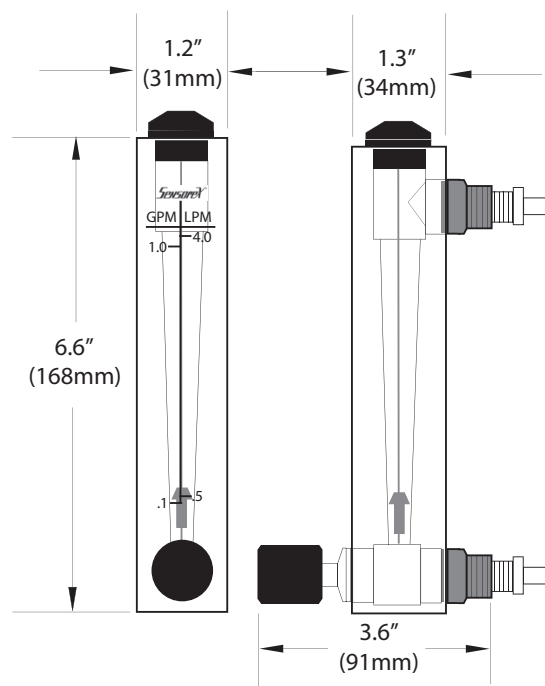
FC72 FLOW CELL DIMENSIONS



SENSOR AND FLOW CELL INSTALLATION DIMENSIONS



FLOW METER FM001 DIMENSIONS



CL5 Free Chlorine Sensors

HOW TO ORDER

Sensors	
CL502	0-2 ppm Free chlorine 4-20mA sensor, 1 replacement cap & 1 each 30mL refill
CL505	0-5 ppm Free chlorine 4-20mA sensor, 1 replacement cap & 1 each 30mL refill
CL510	0-10 ppm Free chlorine 4-20mA sensor, 1 replacement cap & 1 each 30mL refill

Accessories	
C72	Flow Cell, 1/4" FNPT inlet and outlet, includes 2 each 1/4" NPT barbed tube fittings for 3/8" ID tubing.
CLA-5015	5015 Free chlorine fill solution, 30mL, 1 each
CLA-5016	Free chlorine sensor replacement premembraned cap, 1 each
FM001	Flow meter, 0.1-1.0 gpm (0.5-4.0 Lpm) range, 1/4" FNPT & 1/2" MNPT threads plus (2x) 3/8" tube fittings

