

## Special Features:

- 4-20mA Direct Output
- 500V Input to Output Isolation
- Multiple ranges to select from
- Replacement for other 4-20mA ClO<sub>2</sub>



## Applications:

The CD4 series (chlorine dioxide sensors) feature amperometric measurement technology. Designed for disinfection applications in water treatment, for use with chlorine dioxide, chlorine generators, pools, etc., these sensors are available in several ranges for detecting ppm level of chlorine dioxide or free chlorine to better help our customers. Choose the CD402 for 0-2ppm and CD410 for 0-10ppm of chlorine dioxide.

Sensors output a 4-20mA signal. Membrane cap and fill solution are easily replaceable to maximize sensor life.

Sensors can be used in new installations with Omicron's flow cell or installed as replacement for other 4-20mA output ClO<sub>2</sub> (Consult Omicron for compatibility).

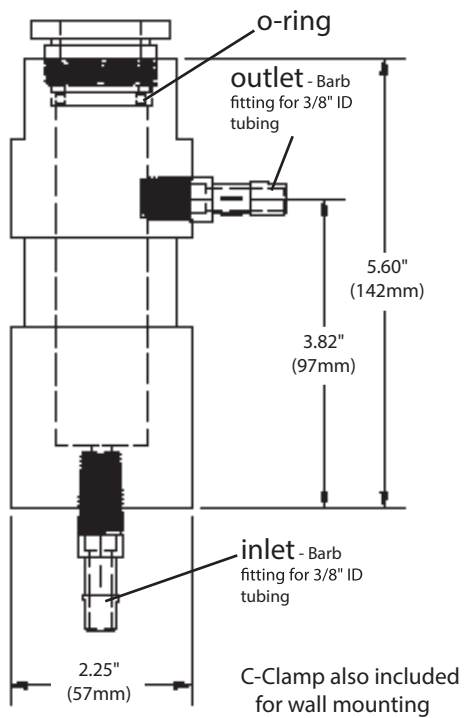
An optional flow meter is available to help provide consistent flow for added system stability

## Specifications:

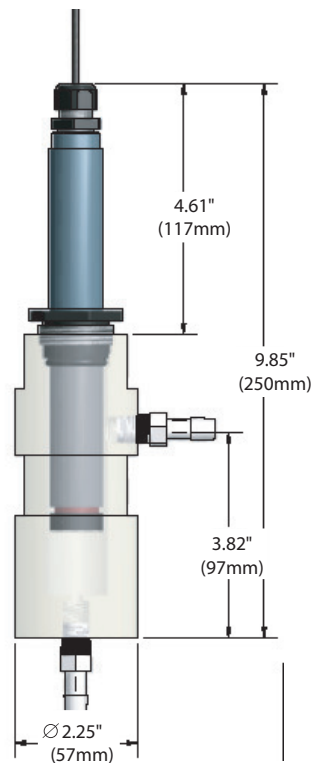
Measuring Range	:	0-2 or 0-10 ppm ClO <sub>2</sub>
pH Range	:	4-11
Body Material	:	PVC
Temperature Range	:	0 - 45 Degrees C
Maximum Pressure	:	14.7 psig (1 Bar)
Temp Comp	:	Integrated
Cable Length	:	10 feet 2 conductors, tinned leads
Process Connection	:	flow cell 1/4 inch FNPT threads
Output	:	4-20mA
Flow Range	:	Min 0.2gpm (45 l/hr), Max 0.6gpm (135 l/hr)
Supply Voltage	:	12-24V DC, 250mA minimum
Cross Sensitivity	:	Ozone, Free chlorine, monochloramine
Chemical Compatibility	:	up to 50% ethanol/ water, up to 50% glycerol/water



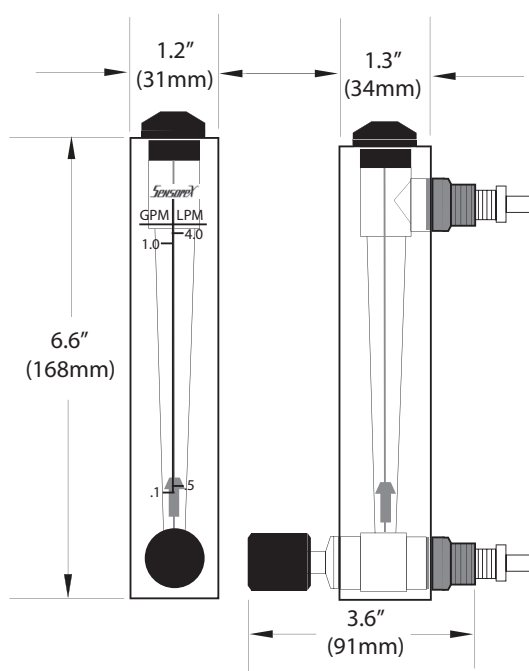
## FC72 FLOW CELL DIMENSIONS



## SENSOR AND FLOW CELL INSTALLATION DIMENSIONS



## FLOW METER FM001 DIMENSIONS



## HOW TO ORDER

### SENSORS

CD402      0-2ppm ClO<sub>2</sub> 4-20mA sensor

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CD410      0-10ppm ClO<sub>2</sub> 4-20mA sensor

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### ACCESSORIES

FC72      Flow Cell, 1/4" FNPT inlet and outlet, includes 2 each 1/4" NPT barbed tube fittings for 3/8" ID tubing.

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CDA-4015      ClO<sub>2</sub> fill solution, 30mL, 1 each

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CDA-4016      CLD Replacement premembraned cap, 1 each

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FM001      Flow meter, 0.1-1.0gpm (0.5-4.0 Lpm) range, 6% accuracy,  
1/4" FNPT & 1/2" MNPT threads plus (2x) 3/8" tube fittings

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