

### CLD201, CLD202 and CLD210 Chlorine Dioxide Sensors FCL202, FCL205, and FCL210 Free Chlorine Sensors



4-20mA Direct Output

500V Input to Output Isolation

Multiple Ranges to Select From

Replacement for other 4-20mA ClO<sub>2</sub> and Free Cl<sup>-</sup> Sensors

The CLD series chlorine dioxide sensors and FCL series free chlorine sensors feature amperometric measurement technology. Designed for use in water treatment disinfection applications and for use with chlorine dioxide or chlorine generators, pools, etc, these sensors are available in several ranges for detecting ppm levels of chlorine dioxide or free chlorine. Choose the CLD201 for 0-1ppm, CLD202 for 0-2ppm and CLD210 for 0-10ppm of chlorine dioxide. Choose the FCL202 for 0-2ppm, FCL205 for 0-5ppm and FCL210 for 0-10ppm of free chlorine.

Service life can be in excess of 1 year in most applications and membrane cap and fill solution are easily replaced to maximize sensor life.

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

#### Ordering Information

##### Sensors

CLD201	0-1ppm ClO <sub>2</sub> 4-20mA sensor
CLD202	0-2ppm ClO <sub>2</sub> 4-20mA sensor
CLD210	0-10ppm ClO <sub>2</sub> 4-20mA sensor
FCL202	0-2ppm free Cl <sup>-</sup> 4-20mA sensor
FCL205	0-5ppm free Cl <sup>-</sup> 4-20mA sensor
FCL210	0-10ppm free Cl <sup>-</sup> 4-20mA sensor

##### Accessories

FC72	Flow Cell, 1/4" FNPT inlet and outlet
CLDA-2015	ClO <sub>2</sub> fill solution, 30mL, 1 each
FCLA-2015	Free Cl <sup>-</sup> fill solution, 30mL, 1 each
CLDA-2016	CLD Replacement premembraned cap, 1 each
FCLA-2016	FCL Replacement premembraned cap, 1 each

Parts covered by this product data sheet include: CLD201,CLD202, CLD210, FCL202, FCL205,FCL210, FC72



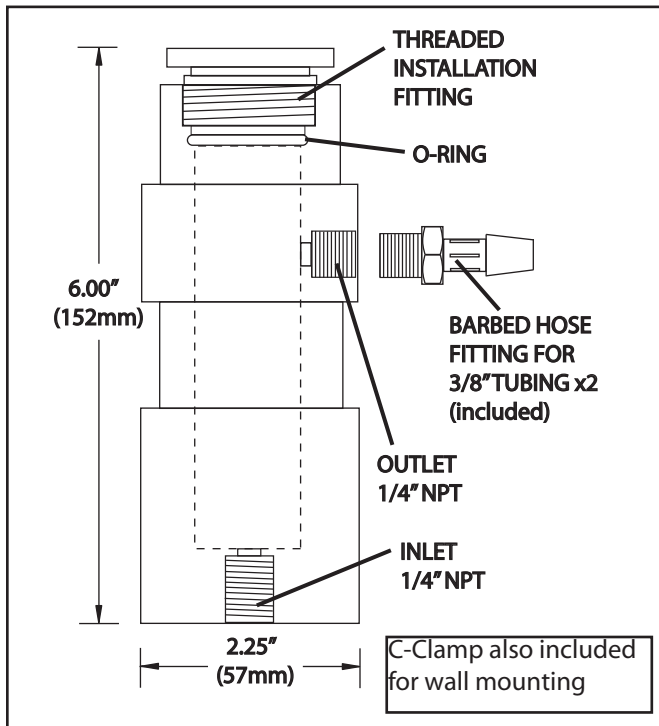
Sensing Solutions for today and beyond



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	Specifications	
	CLD (Chlorine Dioxide Sensors)	FCL (Free Chlorine Sensors)
Measuring Range:	0-1 or 0-2 or 0-10 ppm ClO <sub>2</sub> ,	0-2 or 0-5 or 0-10 ppm Free Chlorine
pH Range:	4-11	5.5-9
Body material:	PVC	PVC
Temperature Range:	0 - 45 Degrees C	0 - 45 Degrees C
Maximum Pressure:	14.7 psig (1 Bar)	14.7 psig (1 Bar)
Temp Comp:	Integrated	Integrated
Cable length:	10 feet 2 conductors, tinned leads	10 feet 2 conductors, tinned leads
Process Connection:	flow cell 1/4 inch FNPT threads	flow cell 1/4 inch FNPT threads
Output:	4-20mA	4-20mA
Flow Range:	Min 0.2gpm(45 l/hr), Max 0.6gpm(135 l/hr)	Min 0.2gpm(45 l/hr), Max 0.6gpm(135 l/hr)
Supply Voltage:	12-24V DC, 250mA minimum	12-24V DC, 250mA minimum
Cross sensitivity:	Ozone, Free chlorine, monochloramine	Bromine, Ozone, ClO <sub>2</sub> (chlorine dioxide)
Chemical Compatibility	up to 50% ethanol/ water, up to 50% glycerol/water	up to 50% ethanol/water, up to 50% glycerol/water

FC72 FLOW CELL DIMENSIONS



SENSOR AND FLOW CELL INSTALLATION DIMENSIONS

