CLD502, CLD505 AND CLD510 CHLORINE DIOXIDE SENSORS

PRODUCT SPECIFICATION SHEET

CLD502,& CLD510 SENSORS

FC72 FLOW CELL

OPTIONAL FM001 FLOW METER

Amperometric Sensor Technology

Ranges 0-2, 0-5 or 0-10ppm

4-20mA or Modbus RS485 output

Built-In Temperature Compensation

Large Electrolyte Reservoir

Replaceable Membrane and Electrolyte

The CLD series (chlorine dioxide sensors) feature amperometric measurement technology. Designed for disinfection applications in water treatment, for use with chlorine dioxide, pools, etc., these sensors are available in three ranges fo detecting ppm level of chlorine dioxide. Choose the CLD502 for 0-2ppm, CLD505 for 0-5ppm and CLD510 for 0-10ppm of chlorine dioxide.

Typical applications include:

Industrial wastewater
Cooling water
Bottle Rinsing
Irrigation water in agriculture

Sensors output a 4-20mA or Modbus RS485 digital communication signal scaled to 0-2, 0-5, or 0-10ppm. Membrane cap and fill solution are easily replaceable to maximize sensor life.

Sensors should be used in new installations with Sensorex flow cell.

An optional flow meter (FM001) is available to ensure regulated flow between 0.2 to 0.6gpm for optimum sensor accuracy.

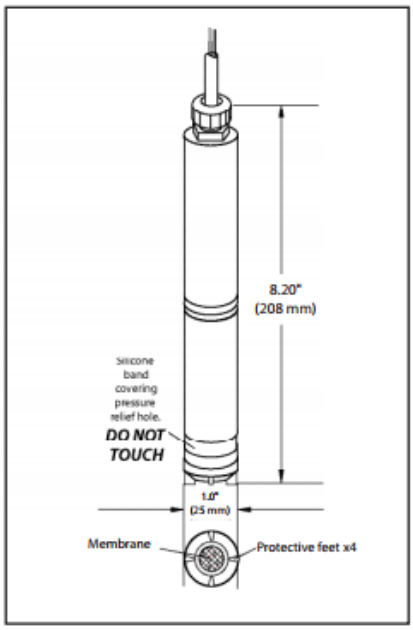
SPECIFICATIONS

Measuring Range	0-2 (CLD-502), 0-10ppm (CLD-510) CLO2
pH Range	4-11
Body Material	PVC
Membrane Cap Material	PVC housing, Proprietary Membrane
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 or Modbus RS485 communication
Flow Range	Min 0.2 gpm (45 l/hr), Max 0.6 gpm (135 l/hr)
Supply Voltage	12-24V DC, 250 mA minimum
Cross Sensitivity	Ozone, monochloramine

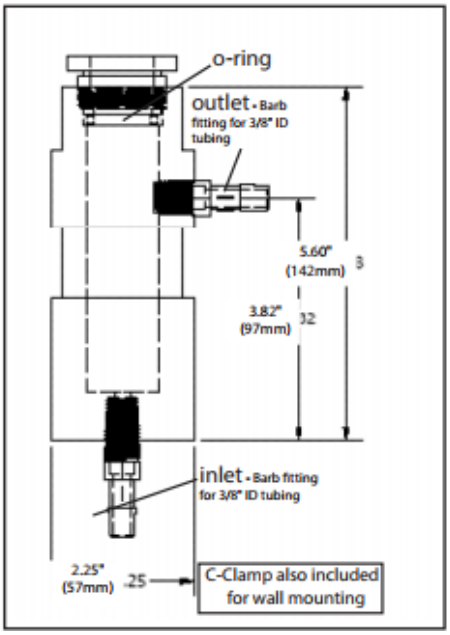
PARTS COVERED BY THIS PRODUCT DATA SHEET INCLUDE:
CLD502, CL505, CLD510, CLD502-MB2, CLD505-MB2, CLD510-MB2, CLDA-5015 THRU CLDA-5018, FC72, FM001

CLD502, CLD500 AND CLD510 CHLORINE DIOXIDE SENSORS

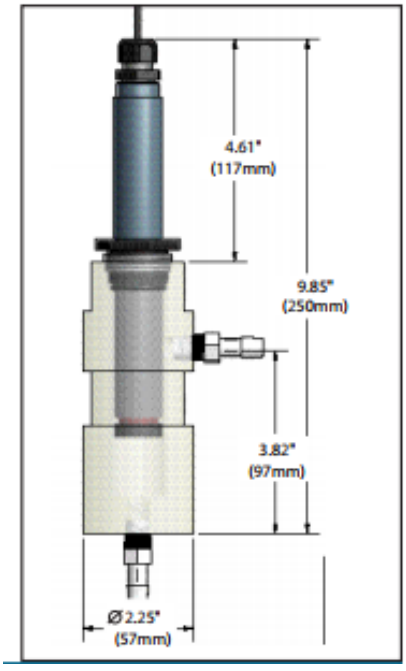
SENSOR DIMENSIONS



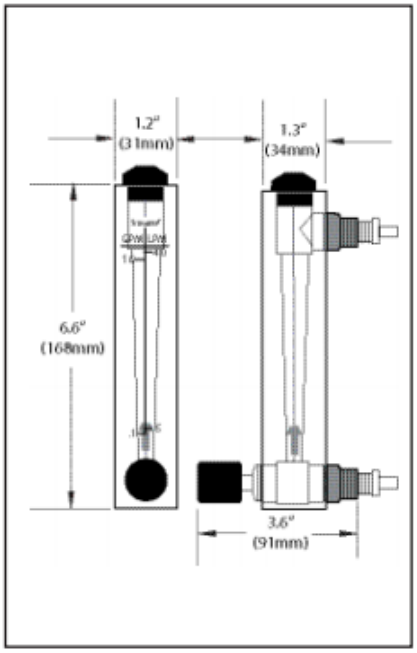
FC72 FLOW CELL DIMENSIONS



SENSOR AND FLOW CELL INSTALLATION DIMENSIONS



FLOW METER FM001 DIMENSIONS



CLD502, CLD500 AND CLD510 CHLORINE DIOXIDE SENSORS

ORDERING INFORMATION

Part Number	Description
CLD502	0-2 ppm ClO2 4-20mA sensor, includes 2 replacement cap, 2 each 30 mL refill 3 each cathode polishing squares & 2 each pressure relief brand
CLD505	0-5 ppm ClO2 4-20mA sensor, includes 2 replacement cap, 2 each 30mL refill 3 each cathode polishing squares & 2 each pressure reflief band.
CLD510	0-10 ppm ClO2 4-20mA sensor, includes 2 replacement cap, 2 each 30mL refill 3 each cathode polishing squares & 2 each pressure reflief band.
CLD502-MB2**	0-2 ppm ClO2 Modbus RS485 digital communication sensor, includes 2 replacement cap, 2 each 30 mL refill 3 each cathode polishing squares & 2 each pressure relief band, requires 24VDC power
CLD505-MB2**	0-5 ppm ClO2 Modbus RS485 digital communication sensor, includes 2 replacement cap, 2 each 30 mL refill 3 each cathode polishing squares & 2 each pressure relief band, requires 24VDC power
CLD510-MB2**	0-10ppm ClO2 Modbus RS485 digital communication sensor, includes 2 replacement cap, 2 each 30 mL refill 3 each cathode polishing squares & 2 each pressure relief band, requires 24VDC power
FC72	Flow cell, 1/4" FNPT inlet and outlet, includes 2 each 1/4" NPT barbed tube fittings for 3/8" ID tubing
CLDA-5015	ClO2 fill solution, 30mL, 2 each
CLDA-5016	CLD sensor replacement membrane cap, 1 each, pressure relief band, 1 each
CLDA-5017	3 each cathode polishing squares
CLDA-5018	Maintenance kit for CLD5 series sensors includes: 1 replacement cap, 2 each 30mL refill, 3 each cathode polishing squares & 1 each pressure relief band

DESIGNED AND ASSEMBLED IN CALIFORNIA, USA
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