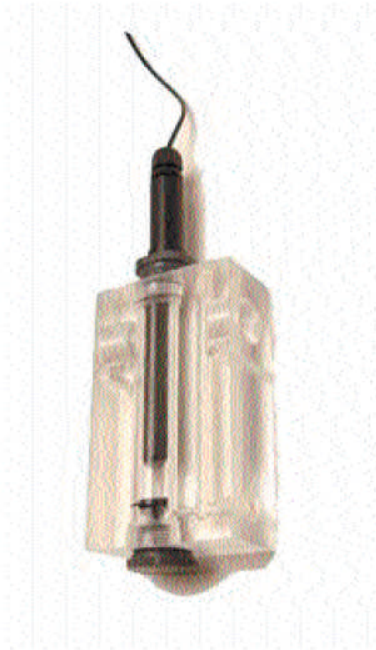




CLD01, CLD02 and CLD10 Chlorine Dioxide Sensors FCL02, FCL05, and FCL10 Free Chlorine Sensors



4-20mA Direct Output

Multiple Ranges to Select From

Flow Cell Features Vortex Generator

Replacement for other 4-20mA ClO₂ and Free Cl⁻ Sensors

The CLD series chlorine dioxide sensors and FCL series free Cl⁻ 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 CLD01 for 0-1ppm, CLD02 for 0-2ppm and CLD10 for 0-10ppm of chlorine dioxide. Choose the FCL02 for 0-2ppm, FCL05 for 0-5ppm and FCL10 for 0-10ppm of free chlorine.

The sensors feature an internal ATC element and signal conditioner to provide a 4-20mA output signal over the measurement range.

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

Can be used in new installations with Sensorex flow cell or installed as replacement for other 4-20 output ClO₂ or FCl⁻ sensors.



Parts covered by this product data sheet include:
CLD01, CLD02, CLD10, FCL02, FCL05, FCL10, FC70C

FORM: CL02 Rev 07/2005
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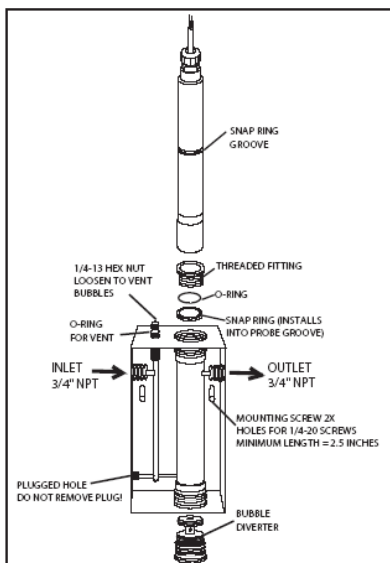
PRODUCT SPECIFICATION SHEET

CLD01, CLD02 and CLD10 Chlorine Dioxide Sensors
 FCL02, FCL05 and FCL10 Free Chlorine Sensors

Real time Chlorine Dioxide or Free Chlorine measurements on-line! 4-20mA output provides user with flexibility on interface instrumentation.

Specifications

Measuring Range:	0-1 or 0-2 or 0-10 ppm ClO ₂	0-2 or 0-5 or 0-10 ppm Free Chlorine
pH Range:	4-11	5.5-8
Body material:	PVC	
Max Temperature:	5 - 45 Degrees C	
Max Pressure:	14.7 psig (1 Bar)	
Temp Comp:	Integrated	
Cable length:	10 feet 2 conductors	
Process Connection:	Inlet and outlet of flow cell are 3/4 inch FNPT threads	
Output:	4-20mA	
Flow Range:	Min 30 l/hr, Max 98 l/hr, 40-60 l/hr ideal	
Supply Voltage:	12-24V DC	
Cross sensitivity::	Ozone	Bromine, Ozone, Iodine, ClO ₂ , Di-/Trichloramine, Bromamine



Ordering Information

Sensors

CLD01	0-1ppm ClO ₂ 4-20mA sensor
CLD02	0-2ppm ClO ₂ 4-20mA sensor
CLD10	0-10ppm ClO ₂ 4-20mA sensor
FCL02	0-1ppm free Cl- 4-20mA sensor
FCL05	0-2ppm free Cl- 4-20mA sensor
FCL10	0-10ppm free Cl- 4-20mA sensor

Accessories

FC70	Flow Cell, 3/4 inch FNPT inlet and outlet
CLDA-0015	ClO ₂ fill solution, 30mL, 1 each
FCLA-0015	Free Cl- fill solution, 30mL, 1 each
CLDA-0016	CLD Replacement premembraned cap, 1 each
FCLA-0016	FCL Replacement premembraned cap, 1 each

PATHFINDER INSTRUMENTS, LLC

PH: 800-284-9698 / 760-438-0890 / FAX: 760-438-3953

EMAIL: info@pathfinderinstruments.com