



## Free Chlorine Sensors

FCLTX-100 Series  
**\$1000**  
All Models



- ✓ Direct 4 to 20 mA Output
- ✓ Amperometric Technology
- ✓ 500V Input to Output Isolation
- ✓ Multiple Ranges Available
- ✓ Simple Field Maintenance

The FCLTX Series of free chlorine sensors feature amperometric measurement technology. They are designed for use in water treatment disinfection applications and for use with chlorine generators, pools, etc. The sensors are available in several ranges for detecting ppm levels of free chlorine. Choose the FCLTX-102 for 0 to 2 ppm, FCLTX-105 for 0 to 5 ppm and FCLTX-110 for 0 to 10 ppm of free chlorine. Membrane caps and fill solution are easily replaced to maximize sensor life. Sensors can be used in new installations with Omega flow cell or installed as replacement for other 4 to 20 mA output free chlorine (FCI) sensors.

### Specifications

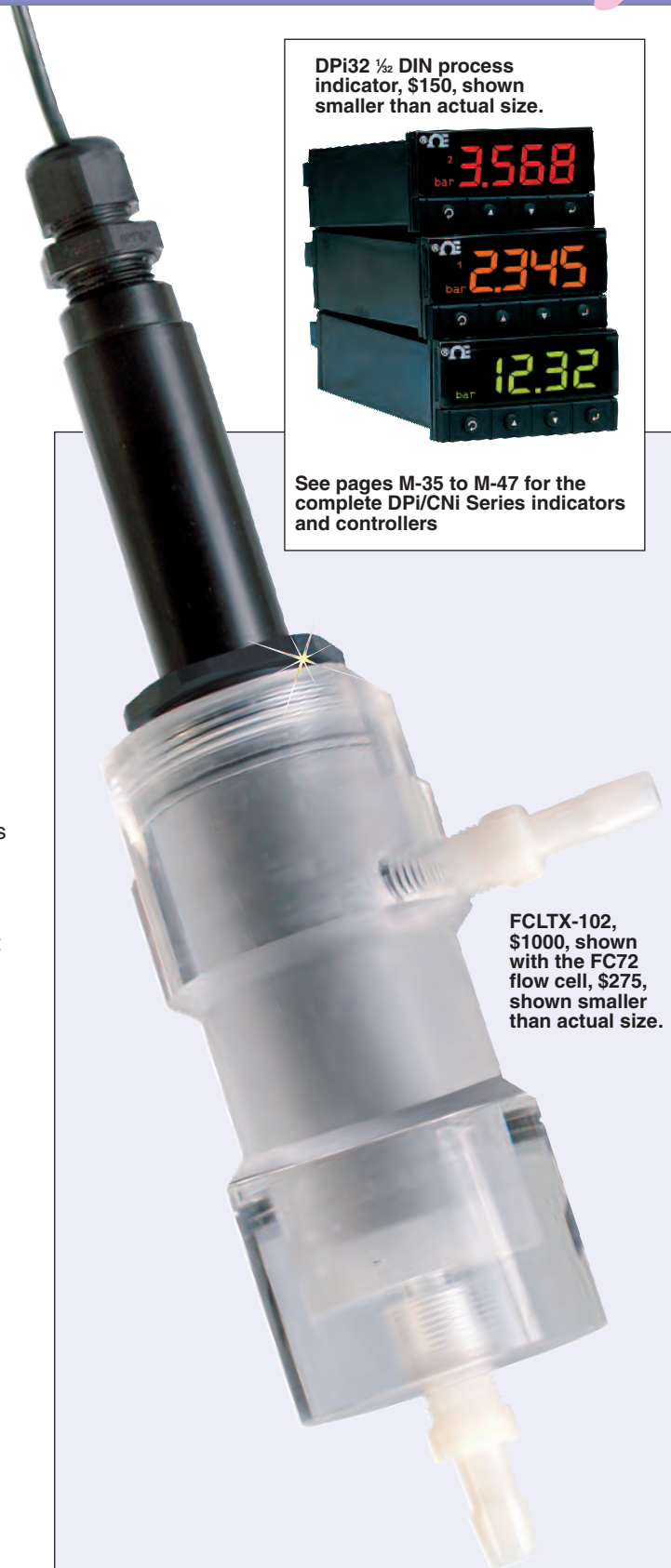
**Measuring Range:** 0 to 2, 0 to 5, or 0 to 10 ppm free chlorine  
**pH Range:** 5.5 to 9  
**Cross Sensitivity:** Bromine, ozone and ClO<sub>2</sub> (chlorine dioxide)  
**Body Material:** PVC  
**Temperature Range:** 0 to 45°C (32 to 113°F)  
**Temperature Compensation:** Integrated  
**Maximum Pressure:** 1 bar (14.7 psig)  
**Cable Length:** 3 m (10') 2 conductors  
**Flow Cell Process Connection:** ¼ FNPT inlet and outlet  
**Output:** 4 to 20 mA  
**Flow Range:**  
**Minimum:** 45 L/hr (0.2 gpm)  
**Maximum:** 135 L/hr (0.6 gpm)  
**Supply Voltage:** 12 to 24 Vdc, 250 mA min  
**Chemical Compatibility:** Up to 50% ethanol/water, up to 50% glycerol/water

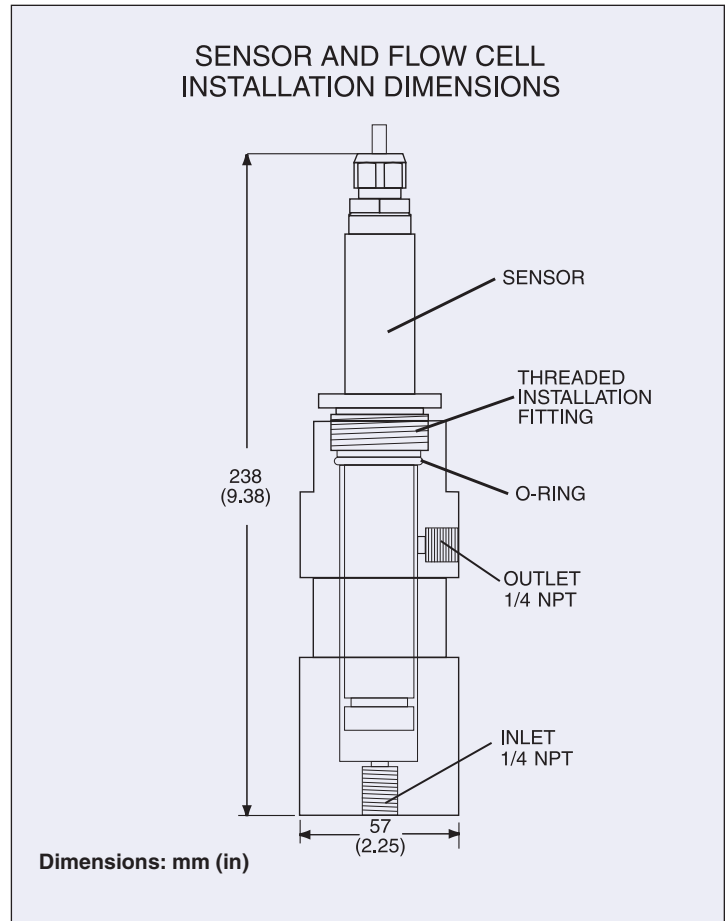
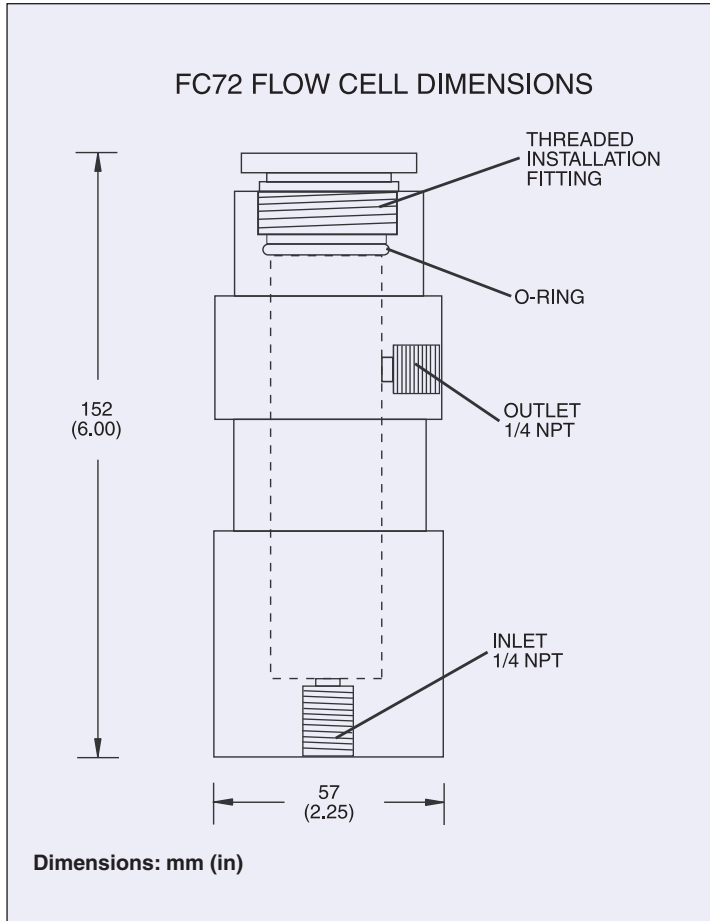
DPI32 ½ DIN process indicator, \$150, shown smaller than actual size.



See pages M-35 to M-47 for the complete DPI/CNi Series indicators and controllers

FCLTX-102, \$1000, shown with the FC72 flow cell, \$275, shown smaller than actual size.





**MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model Number)		
Model No.	Price	Description
FCLTX-102	\$1000	Free chlorine sensor with 4 to 20 mA output, 0 to 2 ppm
FCLTX-105	1000	Free chlorine sensor with 4 to 20 mA output, 0 to 5 ppm
FCLTX-110	1000	Free chlorine sensor with 4 to 20 mA output, 0 to 10 ppm

#### Accessories

Model No.	Price	Description
FC72	\$290	Flow cell for FCL or CLD sensors
FCL-RM	105	FCLTX replacement membranes
FCL-ES	34	FCLTX replacement electrolyte solution 30 ml (0.03 qt)
DPI32	150	1/32 DIN process indicator, see page M-37 of the flow section

Comes complete with operator's manual and calibration instruction sheet.

**Ordering Example:** FCLTX-102, free chlorine sensor with 4 to 20 mA output for 0 to 2 ppm, FC72, flow cell and DPI32, 1/32 DIN process indicator, \$1000 + 275 + 150 = \$1425.

Recommended Reference Book: Environmental Engineer & Sanitation, ES-1014, \$250.  
Visit [omega.com/bobi](http://omega.com/bobi) for Additional Books





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[www.omega.com](http://www.omega.com)  
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