



Free Chlorine Sensors

FCLTX-100 Series

- ✓ 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

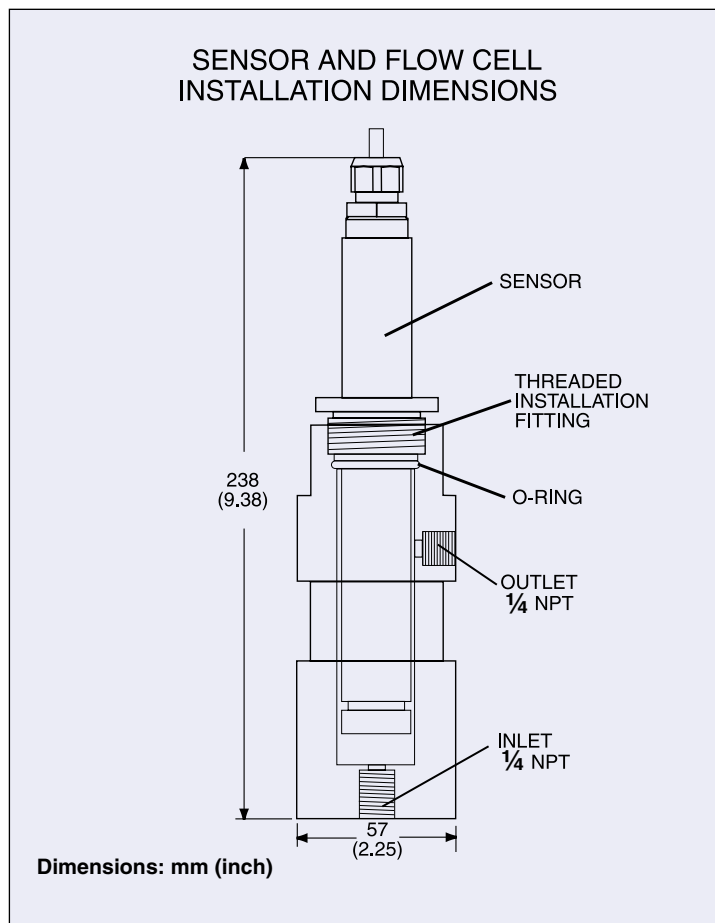
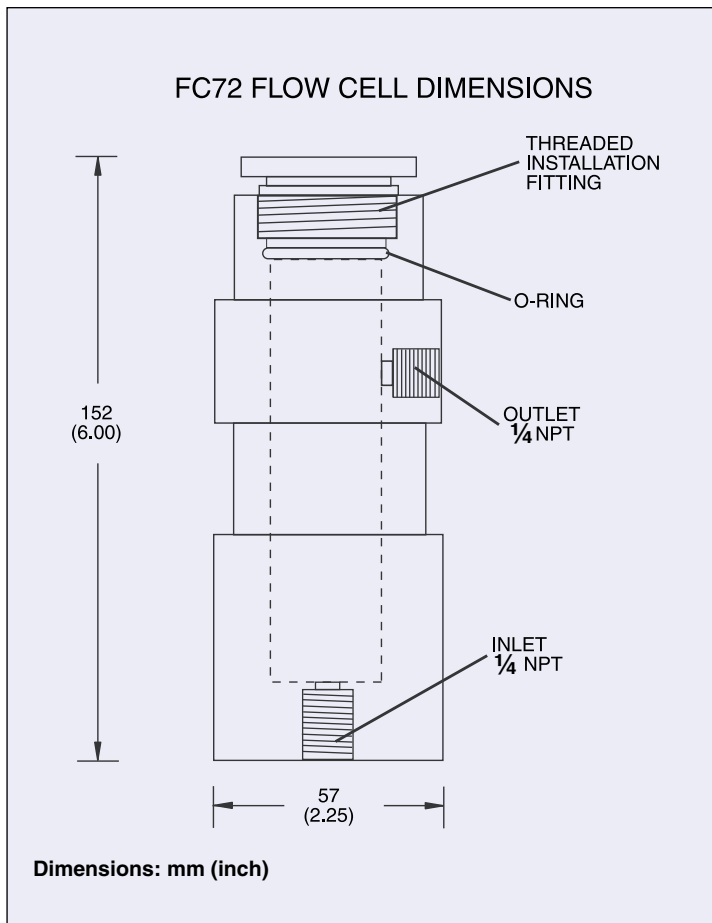
Measuring Range: 0 to 2, 0 to 5, or 0 to 10 ppm free chlorine
pH Range: 5.5 to 9
Cross Sensitivity: Bromine, ozone and ClO₂ (chlorine dioxide)
Body Material: PVC
Temperature Range: 0 to 45°C (32 to 113°F)
Temperature Compensation: Integrated
Maximum Pressure: 1 bar (14.7 psig)
Cable Length: 3 m (10') 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 minimum
Chemical Compatibility: Up to 50% ethanol/water, up to 50% glycerol/water

DPI32 ½ DIN process indicator shown smaller than actual size.



For the complete DPI/CNi Series indicators and controllers, visit us online.

FCLTX-102 shown with the FC72 flow cell shown smaller than actual size.



To Order	
Model No.	Description
FCLTX-102	Free chlorine sensor with 4 to 20 mA output, 0 to 2 ppm
FCLTX-105	Free chlorine sensor with 4 to 20 mA output, 0 to 5 ppm
FCLTX-110	Free chlorine sensor with 4 to 20 mA output, 0 to 10 ppm

Accessories

Model No.	Description
FC72	Flow cell for FCL or CLD sensors
FCL-RM	FCLTX replacement membranes
FCL-ES	FCLTX replacement electrolyte solution 30 ml (0.03 qt)
DPI32	1/32 DIN process indicator

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.