



With AM-FCL-FC flow cell AM-FCL-FM flow meter

Features

- Loop powered 4-20 mA output
- Compact design
- Combines with 4-20 mA pH probe for pH compensation
 - Automatic temperature compensation
- Optional flow cell and flow meter insures constant pressure for accurate measurement
- Inexpensive replaceable membrane and electrolyte

Applications

- Drinking water disinfection
- Wastewater disinfection
- Chlorine generator
- Swimming pools and spas

Description

The AM-FCL is a very compact free chlorine sensor. It operates on membrane-based amperometric technology, which provides the most trouble-free operation of all reagent-free methods. The sensor outputs a direct 4-20 mA signal so there is no need for a separate transmitter. The signal is temperature compensated. Simply insert the probe's two wires into your 4-20 loop and you're good to go. Combine the output of the AM-FCL with that of an Aquametrix 4-20 mA output probe and your PLC can be easily programmed to perform automatic pH compensation.

Maintaining constant pressure on the membrane is essential for accurate reading. The optional flow cell maintains the pressure and another optional flow meter insures a tighter tolerance.

The sensor is available in three ranges: 0 to 2 ppm, 0 to 5 ppm and 0 to 10 ppm.

Model AM-FCL Free Chlorine Sensor Technical Data

Wetted Materials - PVC

Measuring Range

AM-FCL-5: 0 - 5 ppm

AM-FCL-10: 0 - 10 ppm

Temperature Compensation

Pt 100 RTD

Operating Temperature Range

0 to 45°C

Maximum Pressure

14.7 psi at 40°C

Flow Range

0.1 to 0.4 gpm (30 l/min)

Supply Voltage

12-24 VDC, 250 mA minimum

Cross Sensitivity

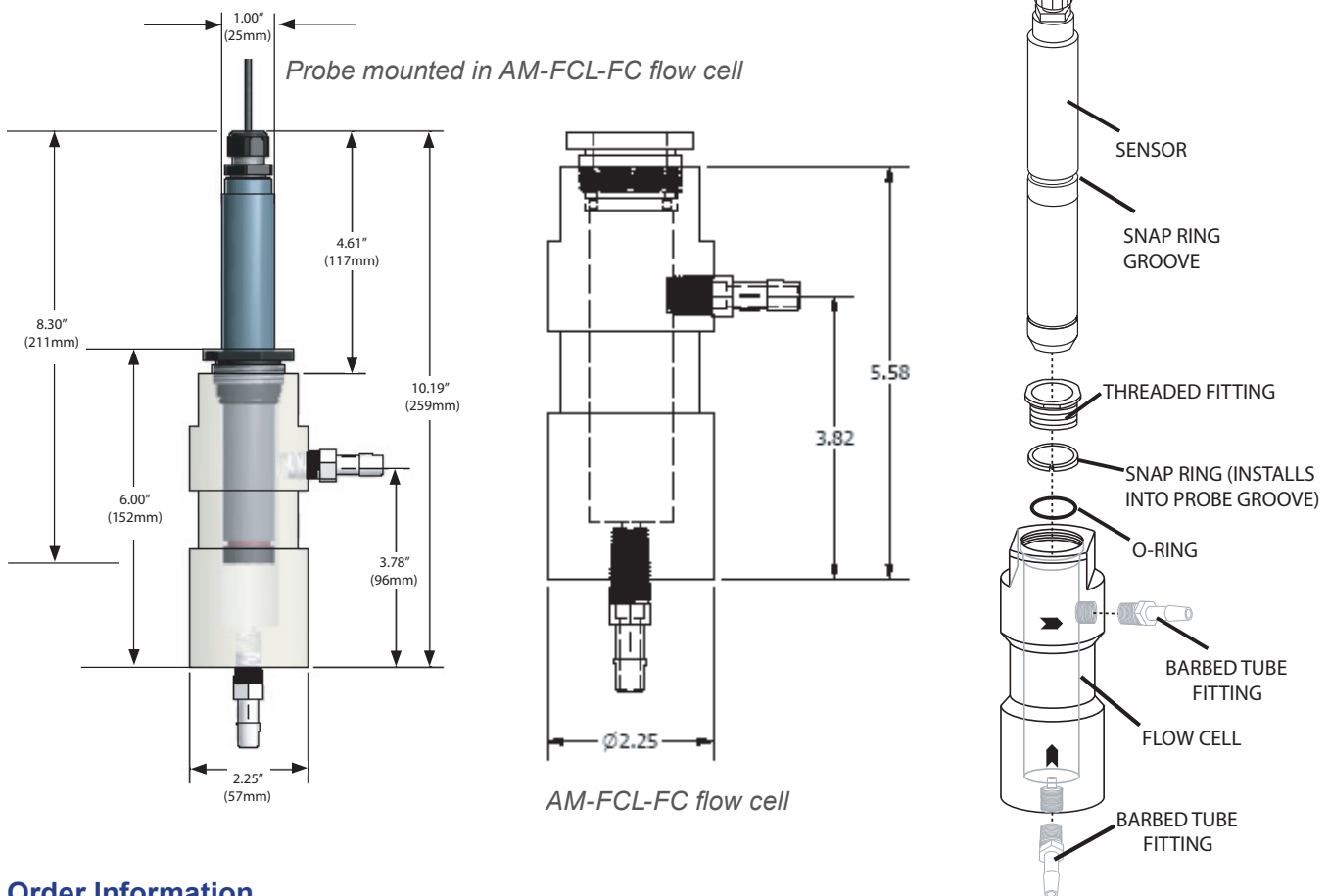
Maximum Flow Rate

Ozone, monochloramine

Chemical Compatibility

Up to 50% Ethanol/water or Glycerol/water
Process Connection

Dimensions



Order Information

Model	Cl range
AM-FCL-2	0 to 2 ppm
AM-FCL-5	0 to 5 ppm
AM-FCL-10	0 to 10 ppm

	Options
AM-FCL-FC	Flow Cell
AM-FCL-FM	Flow Meter

	Replacement Parts
AM-FCL-FL	Fill Solution, 30 mm
AM-FCL-M2	Replacement Membrane, > 5 ppm
AM-FCL-M5	Replacement Membrane, 2 ppm

Related Products

P65C-X (X=5,6,7,8) Series of pH Differential Probes with 4-20 mA direct output