

## PCCL Chlorine System



### Features & Benefits

Potence Controls PCCL chlorine System is a great choice for continuous measurement of Residual Chlorine in Swimming Pools, Spas, Industrial applications, or Dirty / Colored samples where colorimetric methods are inadequate.

The sensor comes with a choice of range from 0-2ppm, 5ppm, 10ppm, & 20ppm.

The sensor directly gives an output of 4-20mA signal making it versatile to connect with any of the indicators / controllers available in the market.

The membrane-based system of the sensor means there are no reagents used & hence maintenance is minimal.

An optional flow cell assembly optimizes the sensor performance by regulating the flow.

- Reagent free Amperometric measurement technology.
- Affordable, complete, Free residual chlorine system.
- Long Life with replaceable membrane cap and refillable gel electrolyte.
- Automatic temperature-compensated output.
- Factory calibrated, No Zero calibration required.
- Linear 4-20 mA Output proportional to Chlorine concentration.
- Fully featured and ready to use.

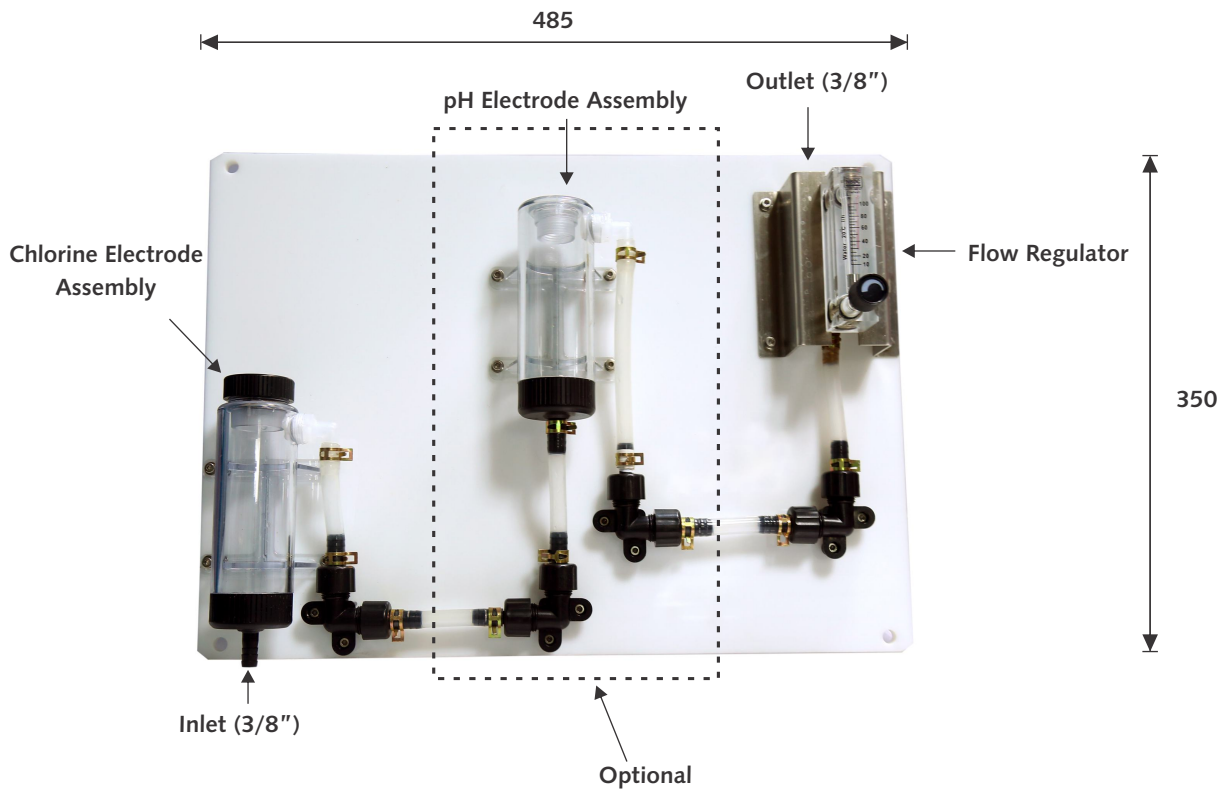
## Sensor Specifications

Measurement Range	: 0 / 2 / 5 / 10 / 20 ppm
Wetted, Body Material	: PVC or ABS Body
Accuracy	: $\pm 1\%$ of Output
Repeatability	: $\pm 0.05$ mg/L @ 25 Deg C
Response Time $T_{90}$	: 90 Seconds @ 25 Deg C
pH Range	: 5 to 9 pH
Temp. Range	: 0 to 50 Deg C
Pressure Range	: 15 psi ( App. 1 Atmospheric )
Flow Range	: Min. 30 L/Hr.; Max. 60 L/Hr.
Input Power	: 12 to 24 Vdc , 25 mA minimum
Output	: Standard 4- 20 mA

## Controller Specifications

Display	: Seven Segment LED Display
Power Requirements	: 90- 270 VAC ; 50 / 60 Hz
Analog Output Signal	: 4-20 mA ; Max. Load 600 Ohms
Analog Output Function	: Retransmission
Relays	: Electromechanical SPDT ; 10A ; 115 / 230 VAC
Relays Operational Mode	: Control
Enclosure	: ABS
Enclosure Rating	: IP 54
Enclosure Dimension	: H*W*D ( 48*96*75 ) mm
Cut-Out	: 44*92 mm

# Skid Assembly



All dimensions are in mm.

## Ordering Information

<p><b>Model Number :</b> PCCL : Chlorine Sensor with 4 -20 mA Output</p>	
<p><b>Range :</b></p> <ul style="list-style-type: none"> <li>1 : 0 to 2 mg/l</li> <li>2 : 0 to 5 mg/l</li> <li>3 : 0 to 10 mg/l</li> <li>4 : 0 to 20 mg/l</li> </ul>	<p><b>Indicator :</b></p> <ul style="list-style-type: none"> <li>X : Without Local Indicator</li> <li>1 : With Local Indicator</li> </ul>
<p><b>Skid Assembly :</b></p> <ul style="list-style-type: none"> <li><b>X</b> : None</li> <li><b>NP</b> : With Chlorine Flow Through Assembly and Flow Control Assembly</li> <li><b>WP</b> : With Chlorine Flow Through Assembly ; pH Flow Through Assembly and Flow Control Assembly</li> </ul>	

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In the interest of improving and updating, PCPL reserves the right to alter specifications at any time.