

Strantrol® Analyzers / Controllers pH Measurement Module

Product Overview

The Strantrol® pH measurement module can be used with the SFC electronics for single point analysis and control. The SFC electronics in combination with the Strantrol® pH measurement module is for use in those challenging industrial and municipal applications where the Strantrol® pH sensor has built its reputation of accurate and dependable pH measurement. The measurement module consists of a plug-in sensor card, the Strantrol® pH sensor and Strantrol® system flow cell.

Typical Applications

- Industrial and municipal water and waste water treatment plants
- pH measurement in a wide variety of industrial processes when pH monitoring is used for control
- Potable water, pool water, process water, boiler feed water as well as mildly contaminated waste water

Features

The Strantrol® pH sensor contains a proprietary inorganic gel and each pH sensor contains a large volume of the gel for long sensor life. The pH (yellow) sensor utilizes a unique liquid junction with a porous Teflon® material which minimizes clogging and also prolongs sensor life.

The pH sensor is mounted in the Strantrol® system flowcell which ensures the proper sensor water contact. The flowcell incorporates an automatic air purging chamber with a see-through inspection cover. A pressure gauge, sampling valve and isolating valves complete the installation.

Key Benefits:

- Industrial strength pH sensor for accurate and reliable pH control in industrial settings
- Strantrol® system flowcell with see-through inspection cover
- Intuitive programming for user-friendly operation to meet application needs



Strantrol® system pH sensor and flowcell

Product Sheet

Technical Specification

Measuring Sensor	Strantrol® system pH Sensor
Measuring principle	Single junction electrode
Measuring range	pH 0 to pH 12
Electrolyte	Proprietary inorganic gel

Flowcell	
Material	Schedule 80 PVC
Maximum Operating Pressure	Tested to 6.8 bar (100 psig)
Working temperature	0 to 48.8°C (32 to 120°F)
Cover	Clear Polycarbonate

Electronics	Strantrol® system pH sensor card for SFC
Measurement input	Single junction electrode, pre-calibrated
Input data	-1000 mV to +1000 mV, impedance 10 ¹³ Ohm
Measuring accuracy	+/- 0.1% FS/max.
Measuring cable	Customized cable plug combo



Strantrol® SFC pH measurement module system

For functional as well as technical details of the SFC electronics please refer to the SFC Series product sheet WT.050.590.000.IE.PS.

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