Strantrol® system pH sensor and flowcell

STRANTROL® PH CONTROLLER

PRODUCT OVERVIEW

The Strantrol® pH controller is designed for single point analysis and control, for use in those ideal 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, process water, boiler feed water as well as mildly contaminated wastewater

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

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.

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	Strantrol flow cell
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

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.

Strantrol® pH controller

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