Strantrol® system ORP sensor and flowcell

STRANTROL® HRR ORP CONTROLLER

PRODUCT OVERVIEW

The Strantrol® ORP controller is designed for single point analysis and control, for use in ideal challenging industrial and municipal applications where the High Resolution Redox® sensing technology has built its reputation of accurate and dependable ORP measurement. The measurement module consists of a plug-in sensor card, the HRR® sensor and Strantrol system flow cell. The entire analyzer/controller package is supplied on a plastic backboard. The standard measuring range is from -1000 to +1000 mV.

TYPICAL APPLICATIONS

- Industrial and municipal water and waste water treatment plants
- ORP measurement in a wide variety of industrial processes where oxidation reduction potential measurement is used for control
- Potable water, process water, boiler feed water as well as mildly contaminated waste water

KEY BENEFITS:

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

FEATURES

Our ORP measurment module incorporates our proprietary High Resolution Redox sensing technology. It utilizes a 99.999% pure platinum electrode for highly accurate ORP measurements and long sensor life.

The HRR sensor is mounted in the Strantrol® 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	HRR® Sensor (measuring ORP or Redox)
Measuring principle	Single junction electrode
Measuring range	-1000 mV to +1000 mV
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	Redox 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® ORP controller

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