WSPH5001 PH SENSOR

Wastewater pH Sensor

WSPH5001 is a combination pH electrode, sensing material and cover designed using popular materials to decrease cost while maintaining performance. It is integrated with a measure and reference electrode and has an in-built temperature sensor for compensation.

The pH sensor detects the concentration of H^+ ions present in the water body and converts this electrochemical current into a voltage. This is then converted to pH readings via a pH meter.

Applications

Continuous monitoring of pH values in

- water, sewages, and water treatment
- any water bodies with common conditions

Features

- It adopts the world-class solid dielectric and a large area of PTFE liquid for junction, difficult to block and easy to maintain.
- Long-distance reference diffusion channel greatly extends the service life of electrodes in the environment.
- It adopts PPS/PC casing and the upper and lower 3/4NPT pipe thread, so it is easy for installation and there is no need of the jacket, thus saving the installation cost.
- The electrode adopts the high-quality low-noise cable, which makes the signal output length more than 20 meters free of interference.
- Reference electrode with silver ions Ag/AgCL
- There is no need for refilling of electrolyte, therefore maintenance is low.
- High accuracy, fast response and good repeatability.
- Proper operation shall make service life longer.
- It can be installed in the reaction tank or pipe laterally or vertically.
- The electrode can be replaced by a similar electrode made by any other country.
- Profile – 3in1 Electrode (Integrating temperature compensation and solution grounding)

Technical Specification

Specification	
Measuring range	0~14.00 pH 0~60 °C
Accuracy	Temperature: ±0.5℃ pH: ± 0.1pH
Compressive strength	0.6 Mpa
Temperature compensation	10K,2.252K, PT100, PT1000
Housing Material	PC/PPS
Installation	Upper & Lower ¾ NPT
Slope	≥96%
Zero point	pH 7 ± 0.3
Connection	Low noise cable
Internal resistance	150-250 MΩ (25°C)

TGI MFR SDN BHD
info@tgi-tech.com