Online pH Sensor

Introduction

online pH sensor is used in environmental water quality monitoring, acid/alkali/salt solution, chemical reaction process, industrial production process, it can meet the requirements of online pH measurement for most industrial applications.

Feature

- Signal output: RS-485 (Modbus/RTU protocol).
- Convenient connection to third-party equipment such as PLC, DCS, industrial control computer, general controller, paperless recording instrument or touch screen.
- Double high-impedance differential amplifier with strong anti-interference and fast response.
- The patented pH probe, the internal reference solution oozes very slowly from the microporous salt bridge under the pressure of at least 100KPa (1Bar), and its forward bleed continues for more than 20 months. Such a reference system is very stable and the electrode life is extended by a factor of two compared to conventional industrial electrodes.
- Easy to install: 3/4 NPT pipe thread for easy submersible installation or installation in pipes and tanks.

Technical Specifications

Model	20101890
Measuring Range	0〜14pH
Accuracy	±0.1pH
Resolution	0.01pH
Temperature Range	0 ~ 65℃
Work Pressure	＜0.2MPa
Temperature Compensation	automatic temperature compensation
Output	RS-485, MODBUS protocol
Power Supply	12〜24VDC ±10%
Wetted Part Material	PPR
Installation	Immersion mounting, 3/4 NPT thread
Cable Length	5 m, customizable
Calibration Method	Two-point calibration
Power Consumption	＜0.5W
Ip Grade	IP68