RS485 & 4-20mA Current pH Sensor (S-pH-01A)

Features

- High accuracy, fast response, good repeatability
- Output Signal: MODBUS RS-485 or 4~20mA current
- Wide range power supply: 3.6V ~ 30V
- Suitable to be immered in soil or water for long time
- advanced junction design, no clogging
- Excellent anti-corrosion performance and durable
- Automatic temperature compensation
- Easy to use, integrate and install

Applications

- Green house
- Municipal sewage
- Industrial waste
- Surface water source
- Environmental Monitoring
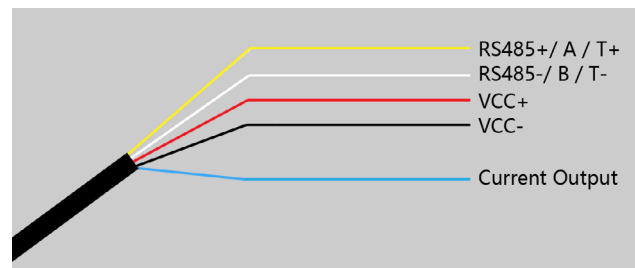- Other Wireless Sensing Applications

Introduction

This pH sensor (S-pH-01) is designed with industry standards. It adopts international advanced solid dielectricand large-area polytetrafluoroethylene liquid junction, which is not easy to block and convient for maintenance. It's designed with ATC (automatic temperature compensation), making sure the data is accurate regardless of the temperature changes. This pH Sensor is IP65 rated, waterproof in tight seal, capable of withstanding long-term constant use in professional application scenarios. This pH Sensor comes with a MODBUS-RTU RS485 serial communications protocol or 4~20mA current output. It can be easily connected to and integrated with other devices such as data-loggers, controllers, and displays, etc. This cost-effective pH sensor features low-power consumption, compact size, portability, high integration, making it widely applicable in both indoor and outdoor environments.

Specifications

pH	
Range	0 ~ 14 pH
Accuracy	±0.1 pH
Resolution	0.01 pH

General Parameters	
Product Model	S-pH-01A
Interface	RS-485
Protocol	MODBUS-RTU RS485
Current Output	4 ~ 20 mA
Power Supply	3.6 ~30V DC
Current Consumption	Max 6mA@24V DC
Operating Temperature	-40 ~85 ℃
IP Rating	IP65
Cable Length	7 meters
Installation	All buried or probe into all of the measured medium
Device Weight	400g

Wiring Diagram

- RS485+/ A / T+
- RS485-/ B / T-
- VCC+
- VCC-
- Current Output

Refer to the user manual for more details.

Probe Dimensions

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