seeed studio

INDUSTRIAL PRODUCT DATASHEET

Industrial pH Sensor MODBUS-RTU RS485 & 0~2V Analog Voltage (S-pH-01A) V2.0

An IP68 RS485 pH Sensor ranges - from 0 to 14 pH.

SKU	UPDATED	PRICE
101990666	2026-11-11 10:10:44	$139.00(Excl. VAT)



Overview



An IP68 RS485 pH Sensor ranges - from 0 to 14 pH. Used in soil and water applications like gardening, and swimming pools. Use the sensor with SenseCAP Data Logger for seamless data collection and management.

Key Features

01 **This one is with hook-up wires. It is compatible with SenseCAP LoRaWAN® Data Logger to connect with the LoRaWAN® network, enjoying the benefits of low-power and long-range communication.**

02 **Another version is with a waterproof aviation connector. It is compatible with SenseCAP Sensor Hub 4G Data Logger, which can collect various sensor data simultaneously and send them via 3G/4G LTE.**

03 **High Performance**

High accuracy, fast response, good repeatability

04 **Universal Protocol**

MODBUS-RTU RS485 and 0~2V Analog Voltage

05 **Wide-range Power Supply**

Can be powered with supply voltage within 3.6V ~ 30V

06 **Strong Robustness**

Suitable to be immersed in soil or water for a long time, anti-corrosion

07 **Maintainance-Free**

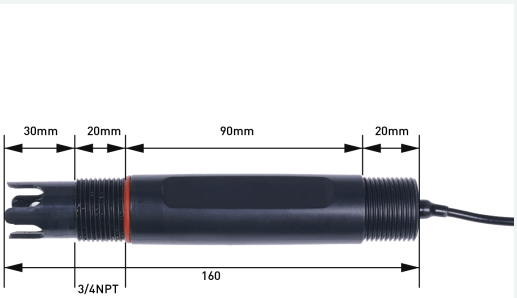
A unique junction efficiently improves the problem of junction clogging

Product Gallery



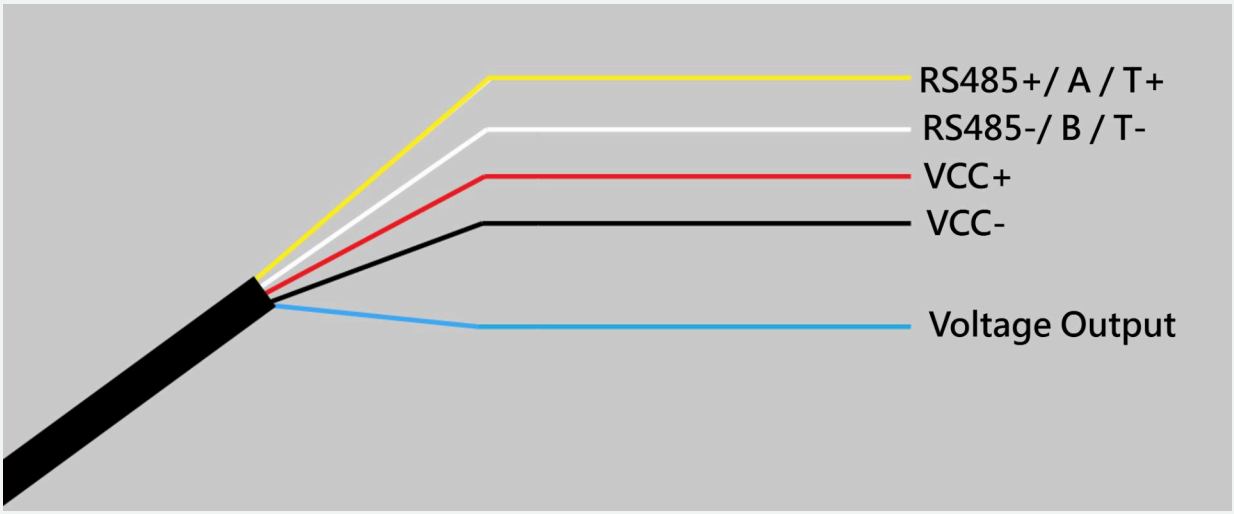




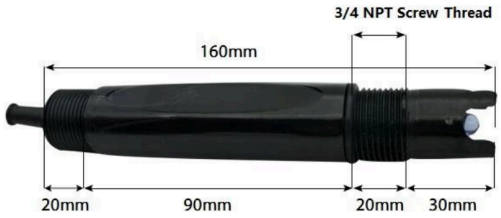




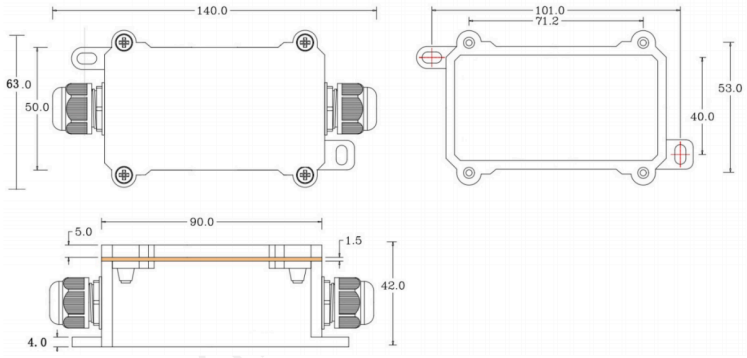
Hardware Overview



Electrode Dimension



Transmitter Dimension



Applications

- Agriculture
- Animal Husbandry
- Forestry and Horticulture
- Sewage Treatment
- Swimming Pools and Spas
- Scientific Experiments
- Educational Projects
- Other environmental monitoring scenarios

Resource Links

- https://www.seeedstudio.com/RS485-pH-Sensor-S-pH-01A-p-4632.html
- User Guide for RS485 & 0-2V Analog Voltage pH Sensor (S-pH-01) - v2.0
- User Manual for the Industrial pH Meter/ Sensor Modbus-RTU RS485 & 4~20mA Current (S-pH-01A)
- Datasheet for the Industrial pH Meter/ Sensor Modbus-RTU RS485 & 4~20mA Current (S-pH-01A)
- pH Sensor Calibration

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com