

Gravity Analog pH Sensor

SEN0169-V2

Product Overview

07-05-2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

The Gravity Analog pH Sensor from DFRobot is specifically designed to measure the pH of the solution and reflect the acidity or alkalinity. This secondary generation pH meter pro sensor is an upgraded version of the pH meter pro V1 that greatly improves the precision and user experience. The onboard voltage regulator chip supports the wide voltage supply range of 3.3V to 5.5V, which is compatible with the 5V and 3.3V main control board. The gravity analog pH sensor is used in various applications such as aquaponics, aquaculture, and environmental water testing.



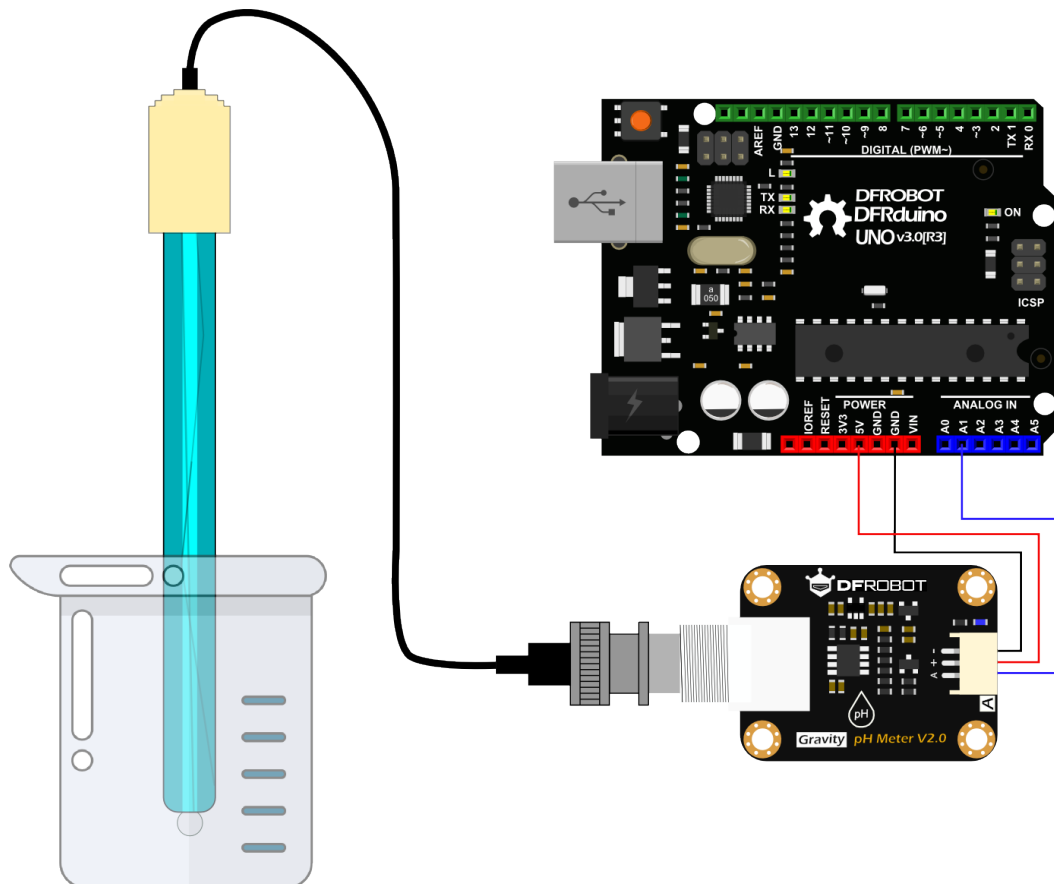
Specifications

- pH probe:
 - Laboratory-grade probe type
 - 0~14 detection range
 - 5°C to 60°C temperature range
 - 7±0.5 zero point
 - <2min response time
 - <250MΩ internal resistance
 - >0.5 years (depending on the frequency of use) probe life
 - 100cm cable length
- Signal conversion board (transmitter) V2
 - 3.3V~5.5V supply voltage range
 - 0~3V output voltage range
 - BNC probe connector
 - PH2.0-3P signal connector
 - ±0.1 @25°C measurement accuracy
 - 42mm x 32mm dimensions

Specifications

- 3.3V~5.5V wide input voltage range
- Hardware filtered output signal with low jitter
- Gravity connector and BNC connector, plug-and-play, and no soldering required
- Software library supports two-point calibration and automatically identifies standard buffer solution
- Uniform size and connector, convenient for the design of mechanical structures
- Industrial probe that supports 7 x 24 measurement
- Upgraded transmitter that is more accurate and stable

Arduino Connection Diagram



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-gravity-analog-ph-sensor/>