

Gravity: Analog pH Sensor/Meter Kit V2

SEN0161-V2

Product Overview

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

Description

DFRobot Gravity: Analog pH Sensor/Meter Kit V2 is specifically designed to measure the pH value of the solution and reflect the acidity or alkalinity. This kit features an onboard voltage regulator chip that operates at a wide voltage supply of 3.3V to 5.5V which is compatible with 5V and 3.3V main control board. The Gravity: analog pH sensor/meter Kit V2 features a hardware filtered output signal, low jitter, and uniform size and connector that is convenient for designing mechanical structures. This sensor kit is ideal for use in chemistry, medicine, agriculture, aquaponics, aquaculture, and environmental water testing.



Features

- 3.3V to 5.5V wide voltage input
- Hardware filtered output signal and low jitter
- Gravity connector and BNC connector with plug and play and no welding
- Software library supports two-point calibration and automatically identifies standard buffer solution
- Uniform size and connector that is convenient for the design of mechanical structures

Kit Contents

- 1x pH Probe(Laboratory Grade)
- 1x pH Signal Conversion Board
- 1x Gravity Analog Sensor Cable
- 2x pH Standard Buffer Solution 4.0
- 2x pH Standard Buffer Solution 7.0
- 2x Waterproof Gasket
- 1x Screw Cap for BNC Connector
- 4x M3 * 10 nylon pillar
- 8x M3 * 5 screws



Specificationst

- **Signal conversion board (transmitter) V2:**
 - 3.3V to 5.5V supply voltage
 - 0V to 3V output voltage
 - BNC probe connector
 - ± 0.1 @ 25°C measurement accuracy
- **pH probe:**
 - 0 to 14 detection range
 - 5°C to 60°C temperature range
 - 7 ± 0.5 zero point
 - $< 250\text{M}\Omega$ internal resistance

Applications

- Chemistry
- Medicine
- Agriculture
- Aquaponics
- Aquaculture
- Environmental water testing

Mouser Part Number

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To learn more, visit <http://www.mouser.com/dfrobot-analog-pH-sensor-kit/>, if available