

# Gravity Analog ORP Sensor Meter PRO

SEN0464

## Product Overview

11/30/2022

For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

DFRobot Gravity Analog Oxidation Reduction Potential (ORP) Sensor Meter PRO is an upgraded version of Industrial Gravity: ORP Sensor Meter for Arduino. This ORP probe employs platinum indicator electrode and silver-silver chloride reference electrode, which makes it available for 24-hour online ORP monitoring and enhances product durability. The new signal converter adds a more stable voltage reference so that the sensor readings would be no longer affected by supply voltage fluctuations. Besides, there are screws, copper columns, and waterproof connectors included in the accessory packet to help conveniently build up the ORP monitoring system.



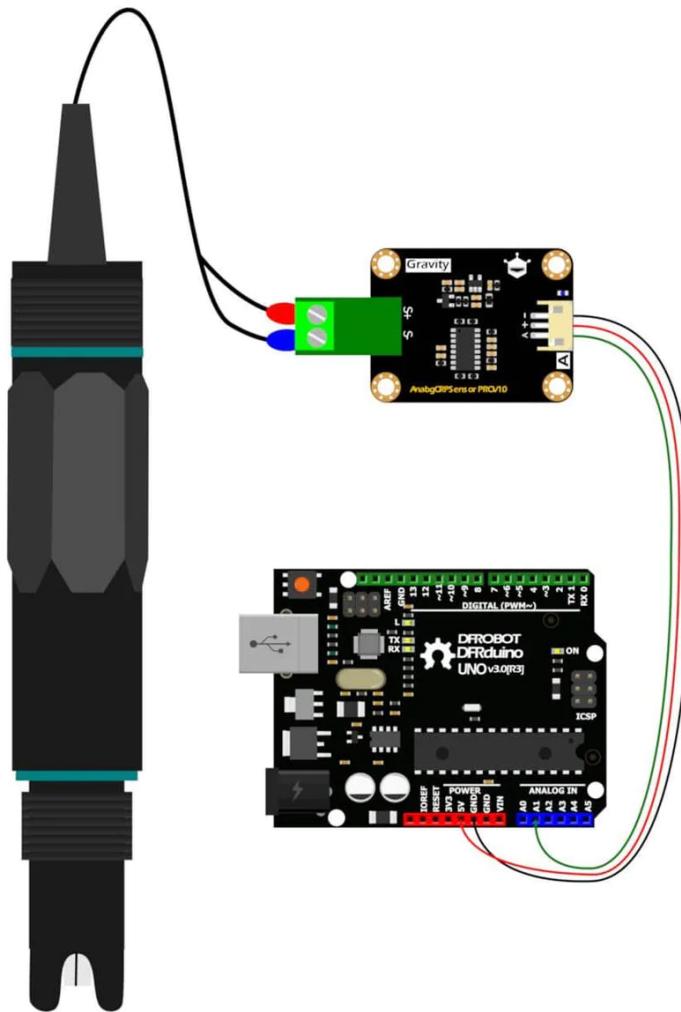
## Features

- 24-hour online ORP monitoring
- ORP signal converter:
  - 5V input voltage
  - 0.5V ~ 4.5V input signal
  - Input interface: 5.08mm/0.20" pluggable connector
  - Output interface: PH2.0 - 3Pin
  - -2000mV ~ +2000mV measuring range
  - 42mm x 32mm/1.65" x 1.26" module size
- Industrial ORP Probe:
  - Platinum indicator electrode
  - Silver-silver chloride reference electrode
  - 5°C -70°C suitable temperature range
  - 245mV ~ 270mV electrode potential
  - $\leq 10\text{K}\Omega$  reference electrode internal resistance
  - $\pm 8\text{mV}/24\text{h}$  electrode stability

## Applications

- ORP monitoring system

## Connection Diagram



## Mouser Part Number

[View Part](#)

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