



Part Number: SEN0189

Description: Gravity: Analog Turbidity Sensor For Arduino

INTRODUCTION

The arduino turbidity sensor detects water quality by measuring level of [turbidity](#). It is able to detect suspended particles in water by measuring the light transmittance and scattering rate which changes with the amount of total suspended solids (TSS) in water. As the TSS increases, the liquid turbidity level increases.

This arduino turbidity sensor have both analog and digital signal output modes. You can select the mode according to the [MCU](#) as threshold is adjustable in digital signal mode.

Turbidity sensors can be used in measurement of [water quality](#) in rivers and streams, wastewater and effluent measurements, sediment transport research and laboratory measurements.



SPECIFICATION

- Operating Voltage: 5V DC
- Operating Current: 40mA (MAX)
- Response Time: <500ms
- Insulation Resistance: 100M (Min)
- Output Method: Analog
- Analog output: 0-4.5V

- Digital Output: High/Low level signal (you can adjust the threshold value by adjusting the potentiometer)
- Operating Temperature: 5°C~90 °C
- Storage Temperature: -10°C~90°C
- Weight: 30g
- Adapter Dimensions: 38mm*28mm*10mm/1.5inches *1.1inches*0.4inches

SHIPPING LIST

- Turbidity sensor adapter x1
- Turbidity sensor probe x1
- Turbidity sensor cable x1
- Gravity analog sensor cable x1