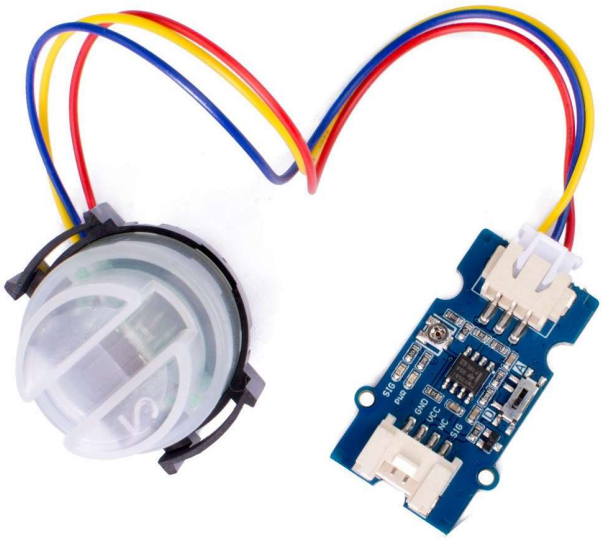

Grove - Turbidity Sensor (Meter) for Arduino V1.0

SKU 101020752

Grove - Turbidity Sensor can measure the turbidity of the water.

Key Features

- Low power consumption
- Small size: 2.0cm x 4.0cm Grove module
- Only 3 pins needed, save I/O resources
- Easy to use: Grove connector, plug and play
- Output mode optional, support analog output and digital output

Description

The Grove turbidity sensor can measure the turbidity of the water (the number of suspended particles).

The optical sensor of this module can measure the density of turbid water and the concentration of extraneous matter using the refraction of wavelength between photo transistor and diode. By using an optical transistor and optical diodes, an optical sensor measures the amount of light coming from the source of the light to the light receiver, in order to calculate turbidity of water.

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The output mode can be selected by adjusting the switch on the board. Supports analog and digital output. The sensitivity can be adjusted by the on-board knob.

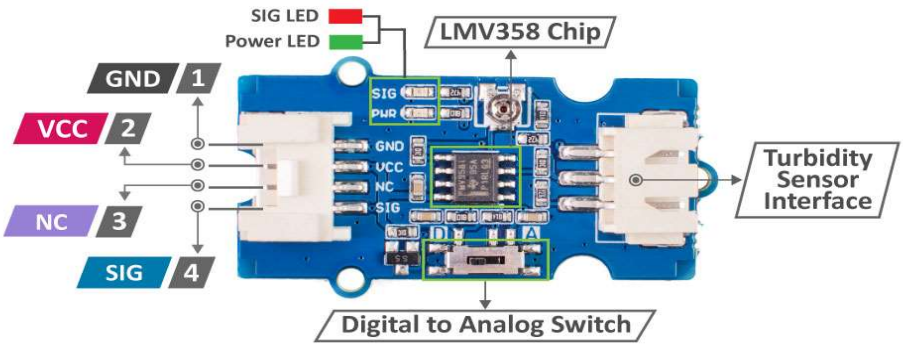
Specification

- Operating Voltage: 3.3V/5V DC
- Output Interface: Analog/Digital
- Connector: 1 Grove, 1 power interface
- LEDs: 1 power LED, 1 signal LED
- Switch: 1 A-D toggle switch
- Dimensions: 20x40 mm

Typical Application

- Measure the water pollution degree of washing machines such as dishwashers to determine the optimal washing time and rinsing times.
- Industrial site control.
- Environmental sewage collection.

Hardware Pinout



1 : Connected to the system GND
2 : Power supply from Grove 5V/3.3V
3 : Not connected in this module
4 : Output signal from this module

Part List

- 1 x Grove Turbidity Sensor
- 1 x Sensor Probe
- 1 x 20cm Grove Cable
- 1 x Connecting Cable

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Note

We are going to bring new add-ons to extend functionalities based on the community needs, so we are looking forward to any suggestions you guys have! Let us know in the forum, we will carefully listen to and take action!

ECCN/HTS

HSCODE	9027900000
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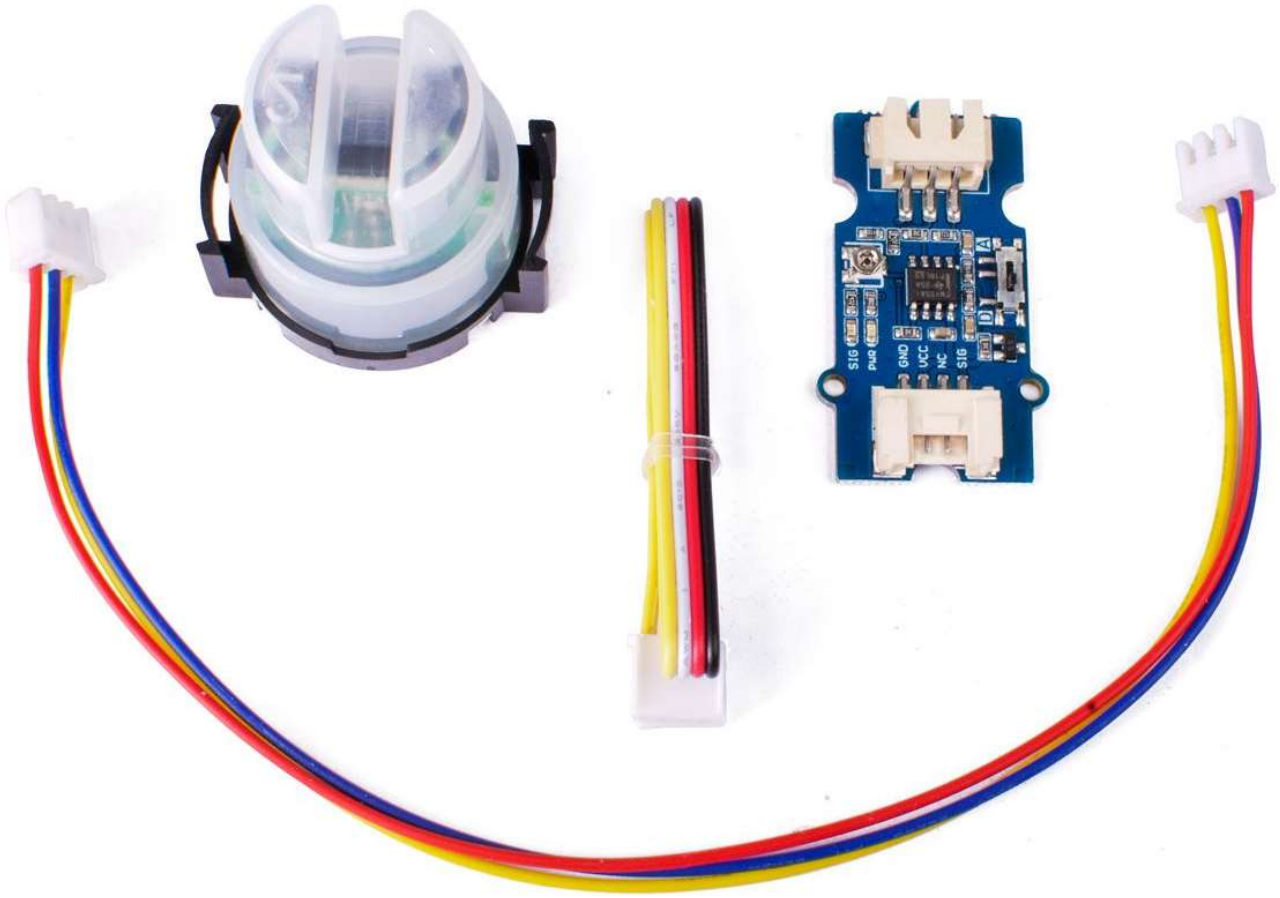

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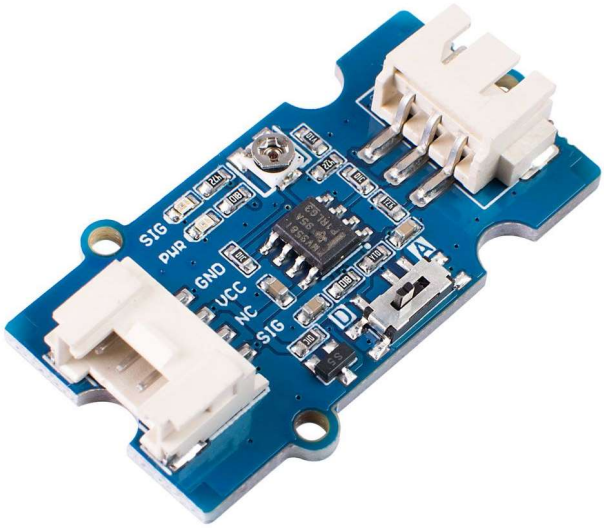

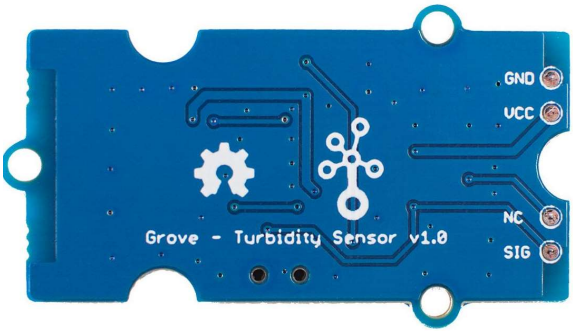

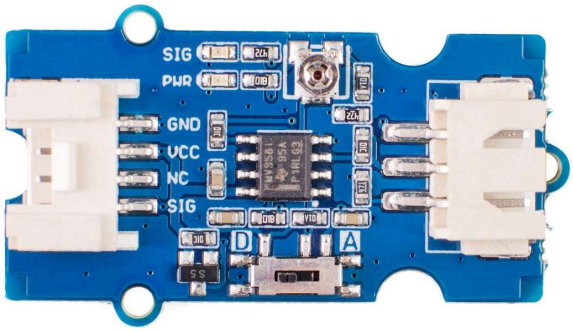

https://www.seeedstudio.com/Grove-Turbidity-Sensor-p-4399.html/1-24-20

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