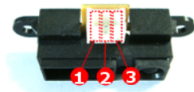*Distance Sensor(DMS-80)*

1. Introduction

- DMS-80 is used to detect objects or walls within a fixed distance.
- The sensor is not affected by color as much as IR Sensors enabling it to measure precise distance.

Compatibility Guide Controller Compatibility

2. Specifications

- Weight : 4.4g
- Detecting Distance : 10 ~ 80cm
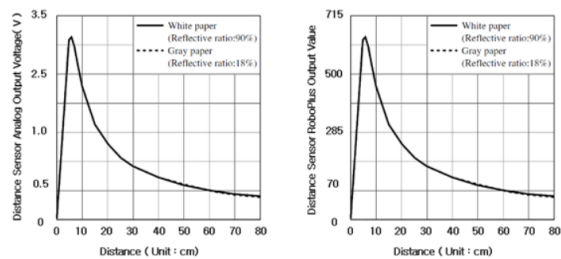- Recommended Voltage Suppy : 4.5 ~ 5.5V

3. Pinout

1. VCC(5V)
2. GND
3. ADC(Outputs the distance sensing value in analog signal)

4. Sensor Output

- This is a graph shows the analog output voltage on RoboPlus based on the distance changes from white paper which has a reflection percentage of 90% and gray paper which has a reflection percentage of 18%.
- Even if the color and reflection percentage change, you can see the output value for the distance barely changes.

5. Tutorials

- RoboPlus Task : Please refer to DMS-80 section in the Roboplus Task.