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ROBOTIS e-Manual v1.29.00

DMS-80

Part Photo

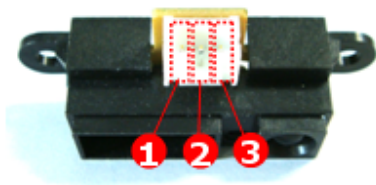


[DMS-80]

Product Usage

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

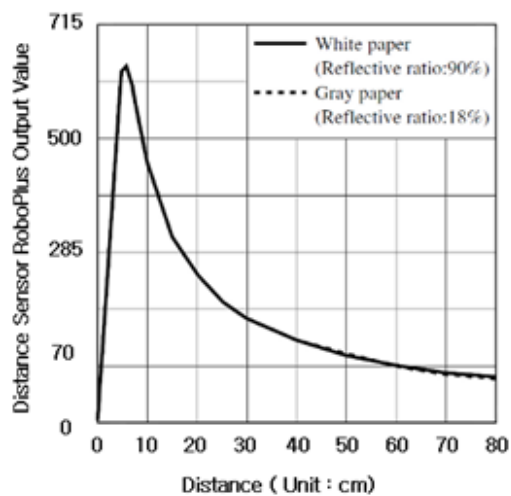
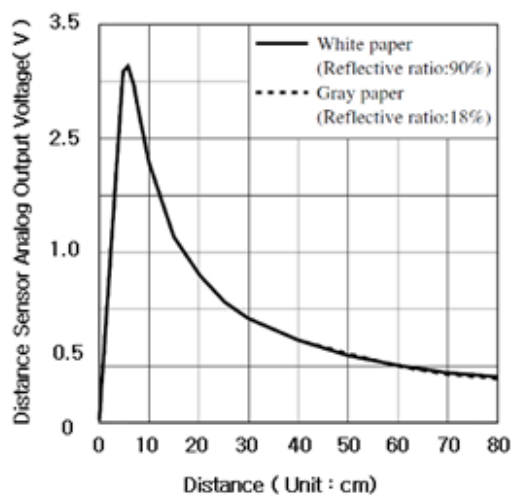
Pin Layout Information



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

Analog Output Voltage Based on Distance

- 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.



H/W Specification

- Weight : 4.4g
- Detection Distance : 10 ~ 80 cm
- Recommended Voltage Supply : 4.5 ~ 5.5 V

Compatible Controllers

- [Link to controller compatibility table](#)

RoboPlus Task Supports

- Refer to the [RoboPlus Task](#) directions.

[Error Report](#)

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