Me PM2.5 Sensor

SKU: 11048   Weight: 90.00 Gram

The PM2.5 sensor laser detect atmospheric PM2.5 with laser scattering theory. It features high-precision detection, rapid response and steady operation, with minimal errors. The sensor can detect a range of PM1.0 to PM10.
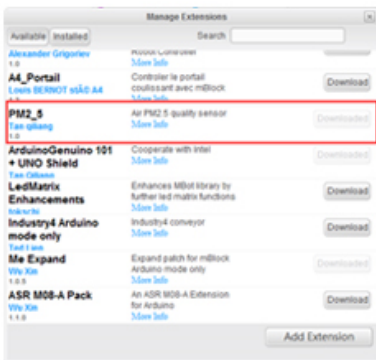
Features

•Detect atmospheric PM2.5 with laser scattering theory

•High-precision detection, rapid response and operation, with minimal errors

•Particulate Measurement Range: 0.3 ~ 10 μm

•Support mBlock GUI programming

•Adopt RJ25 port for easy connection

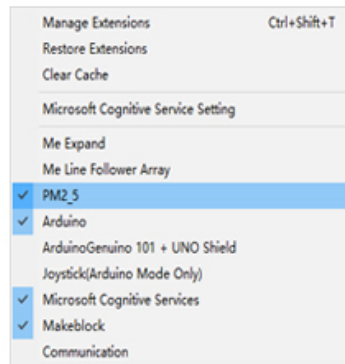## mBlock – PM2.5 Gas Sensor Extended Instructions

Me PM2.5 sensor supports mBlock programming. If you use the PM2.5 sensor by mBot (mCore mainboard), then you need to install a custom firmware.To install custom firmware, Click here.
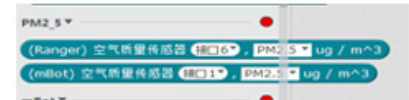
After installing the firmware, refer to the following procedure to use the PM2.5 sensor.

Step 1: Run mBlock software. Under the Extensions menu, select extensions manager. Then download PM2_5;

Step 2: After download , make sure the PM2.5 extension is selected under the Extensions menu;
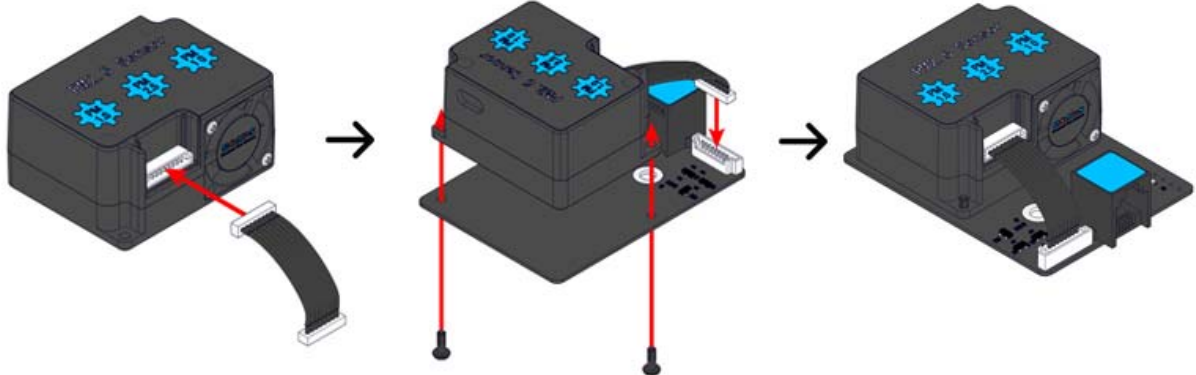
Step 3: Use the block;

Performance Parameters

•Supply Voltage: 5V DC

•Operating Temperature: -10°C ~ 65°C

•Control Mode: Dual-Digital Interface Control

•Particulate Measurement Range: 0.3 ~ 10 um

•Dimensions (L x W x H)48mm*65mm*24mm

Assembly Procedure

Step 1

1 × PM2.5 Sensor

1 × PM2.5 Cable

Step 2

1 × PM2.5 Sensor Circuit Board

2 × Black Rivets

Completed Form

PM2.5 Sensor Schematic Diagram

Click here to download. http://download.makeblock.com/Me%20PM2.5%20Sensor%20V2_PCB.pdf