



KEYESTUDIO PM2.5 Shield, GP2Y1014AU, Dust Sensor Module

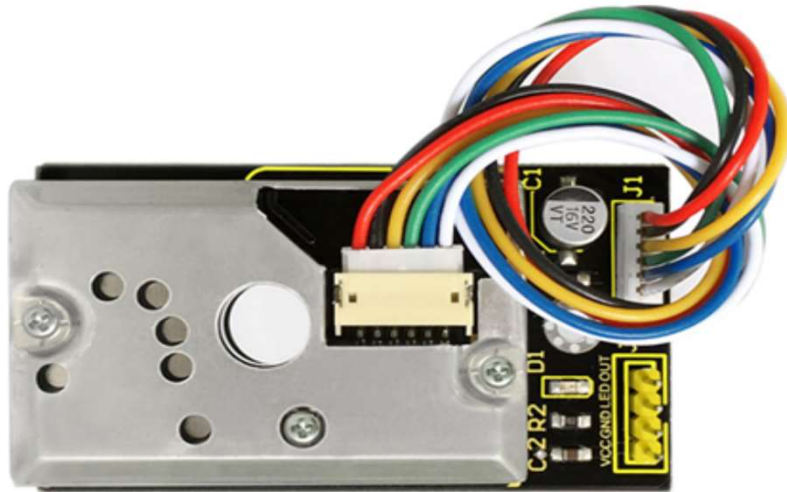
Model: Ks0196

Description:

Keyestudio Dust sensor with Sharp GP2Y1014AU onboard works well in detecting very fine particle larger than $0.8\mu\text{m}$ in diameter, even like the cigarette smoke.

It also has an IR LED and photoelectric transistor. Arranging them with across corners can detect the reflected light of dust in the air.

Ultra-low power consumption(max at 20mA, typical at 11mA), analog voltage output is liner with dust density. It can be equipped with sensors up to 7V DC. The sensitivity is $0.5\text{V}/(0.1\text{mg}/\text{m}^3)$.



For instructions see link: https://wiki.keyestudio.com/Ks0196_keyestudio_PM2.5_Shield