PM2.5 Air Quality Kit 🚥



Description

PM2.5 is a pollution sensor base with affordable price and high performance. Integrated with PMSA003 and SHT20, makes it possible to measure the ambient quality of air, temperature, and humility all at one device.

Much discussion and research have taken place within academic and government environmental organizations as to how accurate such sensors are and whether they have a place in the enforcing of environmental regulation, or even providing an indication of air quality trends to citizens.

With MSStack product series, the system makes it much easier to deploy the measurement node all around the city and make it possible to build a complete ecosystem from regulation enforcement to citizen indication.

With regards to PMSA003, it is a digital universal particulate concentration sensor designed by using the principle of laser scattering method. It is capable of continuous acquisition and computing the number of suspended particles in per unit volume which is also the particulate concentration distribution. Then turn it into mass concentration and output through digital GPIO.

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SHT20 is a Humidity and temperature sensor IC.

Fully calibrated Digital output, 12C interface Low power consumption The excellent long term stability



Product Feature

DC 5V Compatible with M5stack stackable and extension system. M5Core pedental (Pin out SP1/12C/Power) Proto board USB Type-c port

Package Includes

1x PM2.5 base 1x M5Stack Basic 1x M5Core pedestal 1x Type-c cable 2x M3 screw

EasyLoader

EasyLoader是一个简洁快速的程序依录器。其内置了一个产品相关的素例程序 MSStickC/V/T/ATOM系列可免驱动使用)	,通过简单步骤将其烧录至主控。即可进行一系列的功能验证 (程序终录 首	,请根据设备类型安装相应驱动程序。MSCore型主机请点击此处查看CP210X驱动安装教程。
Learn		
Datasheet		
SHT20		
PMSA003		
Example		
Arduino		
Use with Arduino, please click here		
UIFlow		
FLOW V1.4.3 Project main		Blockly > Python
	LIGARBOT	
Title Label Rect Circle Image	LoRaWAN	
	STEPMOTOR	
PM2.5	SERVO	
PM2.5 Text	Bala	ow PM2.5 get pm2.5 - value in SPM -
PM10 Text	Bala Motor	ow [PM2.5 get pm10 value in SPM value in second
PM2.5 number Text	Label label5 - show	ow [PM2.5 get particles above 2.5 Jum number]
	LEGO+	
	PM2.5	
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