Product Datasheet

Stock No: 1746575

Particle Mass Concentration Detector

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Features

- Measure Mass Concentration of
- PM2.5/PM10/HCHO
- Measure HCHO
- Measure TVOC
- Measure Temperature & Humidity
- Wifi (Optional)
- 3''TFT LCD Display, 240*400 Pixels
- 5000 groups of sampling data

Specifications

Particle Measure	
Particle Channels	PM2.5/PM10
Mass Concentration Range	0 to 2000μg/m^3
Resolution	1μg/m^3
HCHO	
Range	0.00 to 5.00mg/m^3
Accuracy	$\pm$5%F.S
Resolution	0.01mg/m^3
TVOC Measure	
Range	0.00 to 9.99mg/m^{3ww}
Accuracy	$\pm$5%F.S
Resolution	0.01mg/m^3
Temperature & Humidity Measure	
Temperature Range	-20 to 70°C (-4 to 158°F)
Temperature Accuracy	$\pm$2°C
Temperature Resolution	0.1°C
Humidity Range	0 to 100%RH
Humidity Accuracy	$\pm$3.5%RH(20 to 80%RH)
	$\pm$5%RH (0 to 20%RH or 80 to 100%RH)
Humidity Resolution	0.1%RH
Intelligent Sensor	
Noise Detect Sensor	A slight noise can awaken device

WiFi	
Connection Properties	802.11b, 802.11g, 802.11n(single stream) on channel 1-14@2.4GHz
Maximum Bit Rate	11Mbps@11b, 54Mbps@11g, 72Mbps@11n HT20
Encrypt	WPA2
Power	
Battery	2400mAh Recharge Li-ion Battery
Work Time	Able to continue work almost 5 hours
Charging	USB 5V/1A
Charging Time	Almost 2 hours when shutdown
Auto Sleep	Able to set auto sleep time
Others	
Display	3"TFT LCD Display, 240*400Pixels
Data Storage	5000 groups of sampling data
Work Temperature	0 to 50°C
Storage Temperature	-10 to 60°C
Size	85*75*155mm
Weight	360g

Attached

Air Quality Standard

Chat 1.1 PM2.5 Concentration and Corresponding Index Color Table

Color	Green	Yellow	Orange	Red	Purple	Deep Purple
Concentration	$0 - 35\mu g/m^3$	$35 - 75\mu g/m^3$	$75 - 150\mu g/m^3$	$150 - 200\mu g/m^3$	$200 - 250\mu g/m^3$	$> 250\mu g/m^3$
Air Quality	Good	Normal	Mild Polluted	Middle Polluted	Heavy Polluted	Serious Polluted

Chat 1.2 PM10 Concentration and Corresponding Index Color Table

Color	Green	Yellow	Orange	Red	Purple	Deep Purple
Concentration	$0 - 75\mu g/m^3$	$75 - 150\mu g/m^3$	$150 - 300\mu g/m^3$	$300 - 400\mu g/m^3$	$400 - 500\mu g/m^3$	$> 500\mu g/m^3$
Air Quality	Good	Normal	Mild Polluted	Middle Polluted	Heavy Polluted	Serious Polluted

Chat 1.3 PM10, HCHO, TVOC Concentration and Corresponding Index Color Table

Color	Green	Orange	Red
HCHO Concentration	$0 - 0.05mg/m^3$	$0.05 - 0.1mg/m^3$	$0.1 - 5.00mg/m^3$
TVOC Concentration	$0 - 0.6mg/m^3$	$0.6 - 1.8mg/m^3$	$1.8 - 9.99mg/m^3$
Air Quality	Good	Normal	Bad