



# Dust Particle Meter SR-516A

## Product Features

- Ultra precision level modules
- Customization available
- Wide range of detection
- 3.2 inch tft colorful screen
- Large storage database
- Charging by usb port

## Data Sheet

Particle detection range	0.3~10 $\mu$ m	Temp detecting range	-20 $^{\circ}$ C ~ +60 $^{\circ}$ C
Detectable particle size	0.3 $\mu$ m, 0.5 $\mu$ m, 1.0 $\mu$ m, 2.5 $\mu$ m, 5.0 $\mu$ m, 10 $\mu$ m	Temp accuracy	$\pm$ 1 $^{\circ}$ C
Detecting range	0~1000 $\mu$ g/m <sup>3</sup>	Temp resolution	0.01 $^{\circ}$ C
Concentration resolution	1 $\mu$ g/m <sup>3</sup>	Humidity detecting range	0%~100%RH
Counting efficiency	50%(0.3 $\mu$ m); 98%( $\geq$ 0.5 $\mu$ m)	Humidity accuracy	$\pm$ 3%
Flow	1 liter/min	Humidity resolution	0.01%RH
Applications	Homeuse	Power supply	Removable & Chargeable 3.7 V,
Response time	1 second	Voltage	5 V /USB
Boot stabilization time	10 seconds	Working time	>9 hours
Number of data record	999 Groups	Net weight	191 g
Accuracy	$\pm$ 10%(100~500 $\mu$ g/m <sup>3</sup> ) $\pm$ 10 $\mu$ g/m <sup>3</sup> (0~100 $\mu$ m/m <sup>3</sup> )	Dimension	140*134*33 mm
PM2.5 standard value	$\geq$ 1000 $\mu$ g/m <sup>3</sup>	Charging duration	3 hours
Auto power off	Capable of being set	Working current	180mAh

## Applications

- Used for agriculture, industry, animal husbandry, public air quality testing