

## MPC - 531

### Air Quality Detector



#### Overview:

has the function of measuring PM2.5, PM10, counting of dust particles, temperature and humidity. The product is provided with high measurement precision, stable performance and simple operation and convenient to carry. It is suitable for indoor environment of family, office, inside of cars and natural environment, etc

#### Features:

- Offers Test particle sizes 0.3 $\mu$ m/2.5 $\mu$ m/10.0 $\mu$ m
- Light source provided by Semiconductor lasers
- Formaldehyde range 0-1000ug/m<sup>3</sup> whit Accuracy  $\pm$ 12%(or $\pm$ 12ug/m<sup>3</sup>)
- Temperature Range 0 $^{\circ}$ C~50 $^{\circ}$ C/32~122 $^{\circ}$ F) whit Accuracy  $\pm$ 0.5 $^{\circ}$ C
- Humidity Range 0~100%RH whit Accuracy  $\pm$ 3%RH
- Offers display by 320\*240 2.8in LCD display
- supplied by 9V or 5V battery (USB interface)

Parameter	Values
Test particle size	0.3 $\mu$ m/2.5 $\mu$ m/10.0 $\mu$ m
Formaldehyde range	0-1000ug/m <sup>3</sup>
Temperature Range	0 $^{\circ}$ C~50 $^{\circ}$ C/32~122 $^{\circ}$ F)
Humidity Range	0~100%RH
display	320*240 2.8in LCD display
Sampling	500s
Power supply	9V or 5V battery (USB interface)
Storage environment	-20 $^{\circ}$ C~60 $^{\circ}$ C<90%RH
Light source	Semiconductor lasers
Accuracy	$\pm$ 12%(or $\pm$ 12ug/m <sup>3</sup> )
Accuracy	$\pm$ 0.5 $^{\circ}$ C
Accuracy	$\pm$ 3%RH
Counting efficiency	100 $\pm$ 10% $\text{@}$ 0.5 $\mu$ m
Sampling frequency	1~99/Continuous
Data Storage	2000
Operating environment	-10 $^{\circ}$ C~50 $^{\circ}$ C,10~90%RH