

# TES *Reliable in Quality* TES 5321 Air Quality Monitor



Accessories : Manual, battery, AC adaptor

## FEATURES

- Fine particulate matter (PM2.5) measurement
- Temperature and humidity measurements
- Health index (0 ~ 9) detection and alarm
- PM2.5 time weighted average reading
- Data hold and MAX/MIN with time stamp function
- Three-color LED indication air quality at good/moderate/poor
- Preset warning point of buzzer alarm, LED and alarm output
- Manual data memory and read function

**MONITORING AIR POLLUTANT SOURCES FROM DUST TO ENERGY PRODUCING POWER PLANTS**

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# TES

Reliable in Quality

# TES 5321 Air Quality Monitor

Air Pollution Regulation	WHO				European Union	USA		Canada	Australia	Japan	South Korea	Hong Kong	China		Thailand	Taiwan	
	IT-1	IT-2	IT-3	AQG		United States	California						Class1	Class2			
PM2.5 $\mu\text{g}/\text{m}^3$	Yearly average	35	25	15	10	25	12	12	-	8	15	-	35	15	35	25	15
	Daily average (24-hour)	75	50	37.5	25	-	35	-	30	25	35	-	75	35	75	50	35

## SPECIFICATIONS

Measurement Range	PM2.5 : 0 to 500 $\mu\text{g}/\text{m}^3$ Humidity : 1% to 99%R.H. Temperature : -20°C to +60°C (-4°F to +140°F)
Resolution	0.1 $\mu\text{g}/\text{m}^3$ , 1ppm, 0.1% R.H., 0.1°C, 0.1°F
Accuracy	PM2.5 : $\pm 10\%$ of reading $\pm 10\mu\text{g}$ Temperature : $\pm 0.8^\circ\text{C}$ , $\pm 1.5^\circ\text{F}$ Humidity : $\pm 3\%$ RH (at 25°C, 30 to 80% RH). $\pm 5\%$ RH (at 25°C, 0 to 20% RH and 80 to 100% RH).
Sensor type	PM2.5 : Photodiode sensor. Humidity : Precision capacitance sensor Temperature : Thermistor sensor
Response time	Humidity : 45%R.H. to 95% R.H. $\leq 1\text{min}$ 95%R.H. to 45%R.H. $\leq 3\text{min}$ Temperature : 10°C/2 sec.
Sampling rate	1 sample/second.
Data Memory Capacity	39 sets. (Direct reading from LCD display)
Operating temperature and humidity	0°C to 60°C, below 95% R.H.
Storage temperature and humidity	-10°C to 60°C, below 70% R.H.
Power supply	Four 1.5V LR-6/AA size batteries, AC adapter
Battery life	Approx. 8 hour
Dimensions	165mm(L) $\times$ 93mm(W) $\times$ 75mm(T) , (6.5"L $\times$ 3.7"W $\times$ 3"T)
Weight	Approx. 380g (13.4oz)

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