



5110 Particle Counter

5200 Particle Mass Counter

FEATURE:

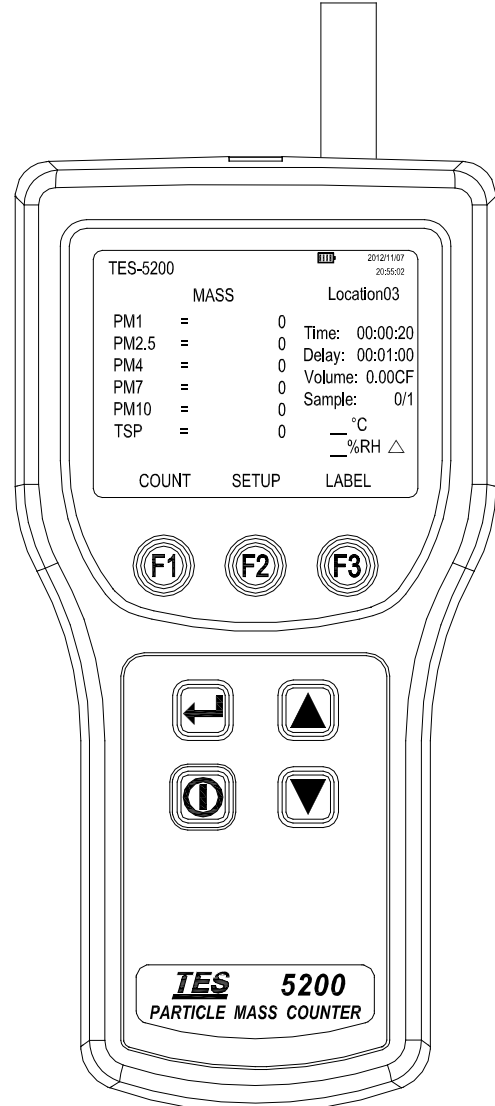
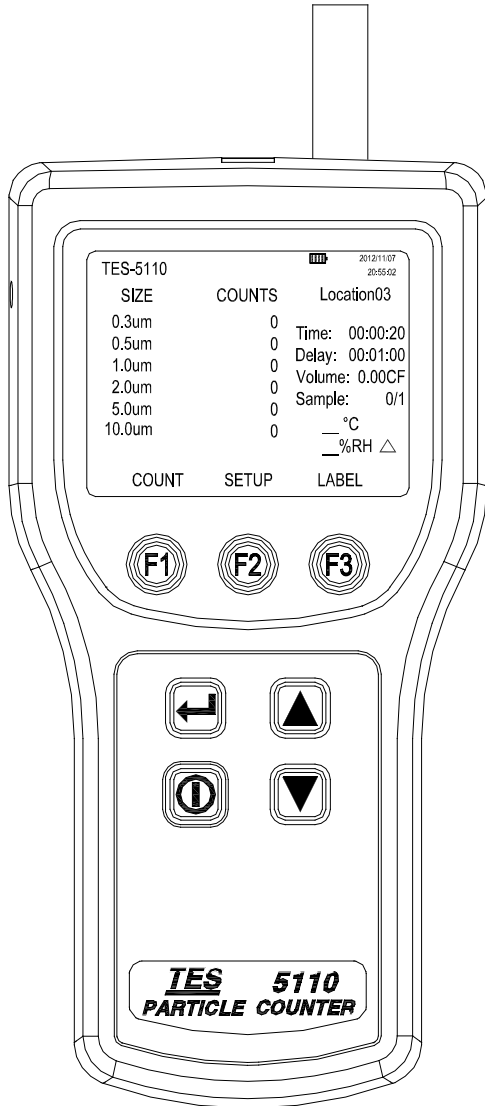
- Particle mass & particle counter in a single handheld unit. **(5200)**
- Six mass ranges and eight particle sizes. **(5200)**
- User K-factors setting for special particulate with different densities. **(5200)**
- Six particle sizes. **(5110)**
- Integrated temperature/humidity sensor (no need for external add-on).
- Flow rate 2.83 L/minute (0.1 CF/minute).
- Rechargeable battery provides up to 4 hours of continuous operation (charge time 2 hours).
- Buffer function allows storing and redisplay of up to 500 measurement data sets.
- SD storage device.

APPLICATIONS:

- | | |
|--|---|
| <input type="checkbox"/> Monitoring Cleanrooms | <input type="checkbox"/> HVAC Applications |
| <input type="checkbox"/> Controlled Environments | <input type="checkbox"/> Filter Testing |
| <input type="checkbox"/> Indoor Air Quality | <input type="checkbox"/> Mining & Ore Processing |
| <input type="checkbox"/> Hospitals & Clinics | <input type="checkbox"/> Emission Sourcing |
| <input type="checkbox"/> Process Control | <input type="checkbox"/> Monitoring Growing Rooms |

SPECIFICATIONS

Optical system	Sideway light-scattering method
Light source	Laser diode
Laser product class	Class 1, IEC 60825-1 / EN 60825-1
Mass: (5200)	
Mass concentration ranges	PM1, PM2.5, PM4, PM7, PM10, and TSP
Concentration range	0 to 1000 µg/m ³
Sample time	1 minute (2.83 L / min)
Particle: (5110 & 5200)	
Particle size: 6 channels (5110)	0.3µm, 0.5µm, 1.0µm, 2.0µm, 5.0µm, 10µm
8 channels (5200)	0.5µm, 0.7µm, 1.0µm, 2.5µm, 4.0µm, 5.0µm, 7.0µm, 10µm
Counting Efficiency	50% @0.3µm; 100% for particles > 0.45µm (per JIS B9921:1997)
Sample flow rate	2.83 L / min
Maximum particle concentration	105,900 particles / L (coincidence loss max. 5%)
Measurement time	6 s. (0.01CF), 21 s. (1L), 1 min. (0.1 CF, 2.83L), 3 min. 32 s (10L), 10 min. (1 CF, 28.3L), any length (MANUAL), any length (1 s. to 59 min. 59 s.)
Relative Humidity	±7%, 20% to 90% non-condensing
Temperature	±3°C, 10°C to 40°C (50°F to 104°F)
Buffer function	Store and recall values for up to 500 measurements
PC interface	USB interface
Temperature / humidity measurable range	10°C to 40°C, 20% to 90%RH (approximate)
Power requirements	Built-in battery or AC adapter
Battery	Rechargeable Lithium-ion (Li-ion) battery. Charged from supplied AC adapter when power is ON (charge time 2 hours).
AC adapter	Output voltage : DC12V, 3A
Dimensions and weight	212(L) x120(W) x60(H)mm / Approx. 930g
Supplied Accessories	Users manual, AC adapter, USB connector, Carrying case.



TES

Reliable in Quality

FAMCO

هایپر صنعت

TES-5321/5322 Air Quality Monitor

- Identify fine particulate (PM2.5) rating
- Temperature and Humidity measurements
- Health index (0 ~ 9) detection and alarm
- PM2.5 and VOCs time weighted average reading
- 3-color LED indication for air quality (Good, Moderate & Poor)



TES-5321/5322 Air Quality Monitor

FEATURES

- Fine particulate matter (PM2.5) measurement
- Mix gases (VOCs-Volatile organic compounds) measurement
High sensitivity to H₂, C₂H₅OH, C₄H₁₀, CO and CH₄. (5322)
- Temperature and Humidity measurements
- Health index (0 ~ 9) detection and alarm
- PM2.5 and VOCs 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
- Auto data logger function (5322)
- USB Interface (5322)

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 µg/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 µg/m ³ VOCs : 1 to 50ppm Humidity : 1% to 99%R.H. Temperature : -20°C to +60°C (-4 °F to +140 °F)
Resolution	0.1 µg/m ³ , 1ppm, 0.1% R.H., 0.1 °C , 0.1 °F
Accuracy	PM2.5 : ±10% of reading±10 µg VOCs : ±10% of reading±1ppm Temperature : ±0.8°C , ±1.5 °F Humidity : ±3%RH (at 25°C , 30 to 80% RH). ±5%RH (at 25°C , 0 to 20% RH and 80 to 100% RH).
Sensor type	PM2.5 : Photodiode sensor. VOCs : Mix gases sensor Humidity : Precision capacitance sensor Temperature : Thermistor sensor
Response time	Humidity : 45%R.H. to 95% R.H. <= 1min 95%R.H. to 45%R.H. <= 3min Temperature : 10°C /2 sec.
Sampling rate	1 sample/second.
Data Memory Capacity	39 sets. (Direct reading from LCD display)
Data Logger Capacity	microSD CARD 4GB
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)×93mm(W)×75mm(T) , (6.5"L×3.7"W×3"T)
Weight	Approx. 380g (13.4oz)
Accessories	Instruction manual, Battery, CD software, Micro-USB cable, Carrying case, AC adaptor DC6V.

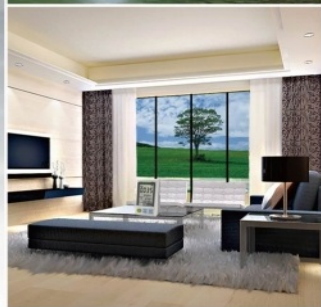
TES

Reliable in Quality

FAMCO
هایپر صنعت

TES-5321/5322 Air Quality Monitor

- Identify fine particulate (PM2.5) rating
- Temperature and Humidity measurements
- Health index (0 ~ 9) detection and alarm
- PM2.5 and VOCs time weighted average reading
- 3-color LED indication for air quality (Good, Moderate & Poor)



www.famcocorp.com

E-mail: info@famcocorp.com

@famco_group

Tel: ۰۲۱-۴۸۰۰۰۰۴۹

Fax: ۰۲۱-۴۴۹۹۴۶۴۲

تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲

TES-5321/5322 Air Quality monitor

FEATURES

- Fine particulate matter (PM2.5) measurement
- Mix gases (VOCs-Volatile organic compounds) measurement
High sensitivity to H₂, C₂H₅OH, C₄H₁₀, CO and CH₄. (5322)
- Temperature and Humidity measurements
- Health index (0 ~ 9) detection and alarm
- PM2.5 and VOCs 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
- Auto data logger function (5322)
- USB Interface (5322)

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 µg/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 µg/m ³ VOCs : 1 to 50ppm Humidity : 1% to 99%R.H. Temperature : -20°C to +60°C (-4 °F to +140 °F)
Resolution	0.1 µg/m ³ , 1ppm, 0.1% R.H., 0.1 °C , 0.1 °F
Accuracy	PM2.5 : ±10% of reading±10 µg VOCs : ±10% of reading±1ppm Temperature : ±0.8°C , ±1.5 °F Humidity : ±3%RH (at 25°C , 30 to 80% RH). ±5%RH (at 25°C , 0 to 20% RH and 80 to 100% RH).
Sensor type	PM2.5 : Photodiode sensor. VOCs : Mix gases sensor Humidity : Precision capacitance sensor Temperature : Thermistor sensor
Response time	Humidity : 45%R.H. to 95% R.H. <= 1min 95%R.H. to 45%R.H. <= 3min Temperature : 10°C /2 sec.
Sampling rate	1 sample/second.
Data Memory Capacity	39 sets. (Direct reading from LCD display)
Data Logger Capacity	microSD CARD 4GB
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)×93mm(W)×75mm(T) , (6.5"L×3.7"W×3"T)
Weight	Approx. 380g (13.4oz)
Accessories	Instruction manual, Battery, CD software, Micro-USB cable, Carrying case, AC adaptor DC6V.