

TES

Reliable in Quality



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TES-5110 Particle Counter

SIZE	COUNTS	
0.3 um	702	Time: 00:01:00
0.5 um	284	Delay: 00:00:01
0.7 um	101	Volume: 2.83L
1.0 um	31	Sample 3/5
2.0 um	3	28.4 °C
5.0 um	2	67.5 %RH

Control buttons: F1, F2, F3, Left Arrow, Up Arrow, Power, Down Arrow.



Cleaning Room Monitoring





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TES-5110 Particle Counter

FEATURES:

- 6 particle size channels : 0.3µm, 0.5µm, 1.0µm
2.0µm, 5.0µm, 10µm
- Temperature and Humidity Reading
- 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 Card Memory)
- SD storage device
- Password protection for measurement settings.

APPLICATIONS:

- Monitoring cleanrooms.
- Indoor air quality investigations.
- Monitoring growing rooms.
- Testing filter seals.
- Locating particle contamination sources.
- Monitoring particle size distributions.

SPECIFICATIONS

Optical system	Sideway light-scattering method
Light source	Laser diode
Laser product class	Class 1, IEC 60825-1 / EN 60825-1
Sample flow rate	2.83 L / min
Particle size (6 channels)	0.3µm, 0.5µm, 1.0µm, 2.0µm, 5.0µm, 10µm
Counting Efficiency	50% @0.3µm; 100% for particles > 0.45µm (per JIS B9921:1997)
Relative Humidity	±7%, 20% to 90% non-condensing
Temperature	±3°C, 10°C to 40°C (50°F to 104°F)
Maximum particle concentration	70,000 particles / L (coincidence loss max. 5%)
Measurement time	6 s. (0.01CF), 21 s. (1 L), 1 min. (0.1 CF, 2.83 L), 3 min. 32 s (10L), 10 min. (1 CF, 28.3L), any length (MANUAL), any length (1 s. to 59 min. 59 s.)
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 nickel metal hydride (Ni-MH) battery. Charged from supplied AC adapter when power is ON (charge time 2 hours).
AC adapter	Input voltage : 100 to 240 V AC, 50/60 Hz
Dimensions and weight	212(L) × 120(W) × 60(H)mm / Approx. 930g
Supplied Accessories	Users manual, AC adapter, USB connector, Carrying case.

Specifications subject to change without notice.



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