



TES-5110

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 2.83L/minute (0.1 CF/minute)
- Rechargeable battery provides up to 4 hours of continuous operation (charge time 2 hours)
- Buffer function allows storing and red display of up to 500 measurement data sets (SD Card Memory)
- SD storage device
- Password protection for measurement settings.

Applications:

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

Model	TES-5110
Optical system	Triple 4 digit LCD display
Light source	Laser diode
Laser product class	Class 1, IEC 60825-1 / EN 60825-1
Sample flow rate	2.83L / 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	6s.(0.01CF), 21s.(1L), 1min.(0.1CF,2.83L) 3min.32s.(10L), 10min.(1CF,28.3L) any length (MANUAL), any length (1s. to 59min.59s)
Buffer function	Store and recall values for up to 500 measurements
PC interface	USB interface
Temp./humidity measurable range	10°C to 40°C, 20%RH 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 240V AC, 50/60Hz
Dimensions and weight	212(L) x 120(W) x 60(H)mm / Approx. 930g
Supplied Accessories	Users manual, AC adapter, USB connector, Carrying case.