



LASER DUST PARTICLE COUNTER BKF-2901

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Y09-3016E HANDHELD AIR DUST PARTICLE COUNTER



Conforming to the verification specifications of JJF-1190-2008 dust particle counter.

Self purification time $\leq 10\text{min}$.

Measurement repetition relative deviation $\leq \pm 10\%$.

Particle size distribution error $0.5\mu\text{m} \leq \pm 20\%$.

Particle concentration indication error $0.5\mu\text{m} \leq \pm 20\%$.

Sampling flow rate and error: $2.83\text{L/min} \leq \pm 5\%$.

Measurable particle size range: $0.3, 0.5, 1, 3, 5, 10\mu\text{m}$, divided into 6 particle size channels, with a signal-to-noise ratio of $\geq 2.5:1$ for $0.3\mu\text{m}$.

Maximum measurable particle concentration: $\leq 30\text{K particles/L}$.

Current DC7.2V, 1800mAh.

SPECIFICATIONS

Model	BKF-2901
Test particle size	0.3, 0.5, 1, 3, 5, 10 μm
Light source	Laser diode (with a lifespan greater than 30000 hours)
Volume	2.83 L/Min (0.1cfm)
Counting efficiency	50 $\pm 10\%$ @0.3 μm , 100 $\pm 10\%$ @0.5 μm
Measurement of repeated relative deviation	$\leq \pm 10\%$
Sampling time	1-99Min
Sampling delay	1-99Min
Sampling frequency	1-99 times or consecutive
Testing mode	Single/repeated/continuous/timed/average
Data memory capacity	1000 sets of measurement data
Charging time	3 hours, 12 hours for initial charging
Clean-down capability	<10min
Maximum concentration	+/-5% at 2000000 particles/ft ³ (71000 Particle/L)
Screen display method	LCD touch screen
Printing method	External printer
Sampling location number	1000
Overall dimensions	220*401*20mm
Weight	1kg
Environment condition	Working environment: 15-35 °C, 10-85% RH; Storage environment: -10-50 °C, 10-85% RH
Alt Name	Handheld Air Dust Particle Counter

APPLICATIONS

This product adopts a color LCD touch screen and is the first handheld dust particle counter in China to adopt this design.



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