



Laser dust particle counter is an upgraded product that meets the latest national standard for clean room testing. Compared with similar products, it has smaller volume and more compact structure. It is used to measure the size and number of dust particles in the unit volume of air in the air environment. It can directly detect the clean environment with a cleanliness level of 300000 to 10. It is a new generation product that meets the latest international standards.

The instrument uses semiconductor laser light source, touch screen (liquid crystal screen) display, reasonable structure, high detection accuracy, large flow, short sampling time, simple and clear function operation, no need for computer data acquisition, can be directly stored in storage media such as USB flash disk, can also be controlled by computer, can store and print the sampling results, built-in thermal micro- printer, and the test environment is very convenient.

- **Meet GB/T 25915.1-2021, GB/T 29024.4-2017,**
- **ISO 21501-4:2018 and GMP specifications**
- **Corrosion-resistant shell, reasonable layout, light weight, easy to clean**

#### Features :

- Meet GB/T 29024.4 and ISO 21501 standard
- Large size touch screen, can be operated with gloves, easy to use
- The noise of the pump is very small, and the working environment is more comfortable
- The report generated, stored and printed by the system can comply with ISO 14644-1 and GMP standards
- Pluggable battery, optional external charger, convenient for continuous mobile use
- Can store 100000 sets of test data
- Meet FDA 21 CFR part11

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



Export Sales: +91-9829132777  
 India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,  
 Sitapura Extension, Jaipur-302022, India.



info@tesca.in  
 www.tescaglobal.com

**Specifications:**

Size Channels	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 ( $\mu\text{m}$ )
Flow Rate	28.3L/min
Counting Efficiency	0.3 $\mu\text{m}$ (50 $\pm$ 20)%, meets ISO 21501-4:2018, GB/T 29024.4-2017
Sample Period	1 second to 99 hours
Light Source	Semiconductor laser light source, with a service life > 30000 hours
Max. Concentration	35000/L (sampling air shall not contain corrosive gases)
Zero Count	$\leq$ 8min
Data Storage	100,000 data sets. Data cannot be altered
Power	DC16.8V. Built-in pluggable li-ion battery
Battery life	5 hours
Port	USB
Exhaust	Internal HEPA filtered (0.3 $\mu\text{m}$ >99.97%)
Dimension	373mm*169.3mm*272mm
Weight	4.2 kg
Environment	Temperature:0~30 $^{\circ}\text{C}$ Humidity: 5~95% RH non-condensing
Optional	Backup battery, external charger, zero count filter

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