Smart Colony Counter

Smart counter automatic colony counter is widely used in food, beverage quality and health inspection, the dairy industry, hospitals, cosmetics, microbiology laboratory testing among the pharmaceutical industry, etc., suitable for microbial colony counts and analysis, be able to complete all of the Colonies reading type, Smartcounter user interface is simple and easy to use, is a modern microbiological testing laboratories advanced and efficient colony counter.

Standard Features

★ 4K true color high-resolution camera device and ultra-low distortion optical lens ensure the accuracy and reliability of experimental data results in hardware.

★ Open platform, anti-external light interference design, directly put the plate count, more convenient and fast operation.

★ Up and down 360°LED dual light source design, stepless dimming and stepless fill light function, adjust the color and shade of light at any time to adapt to different color media, to achieve better counting effect.

★ Smart counter parameters are highly integrated, you only need to drag the mouse or scroll the wheel to adjust the parameters, you can view the effect of the current parameters on the final recognition in the image window in real time, simple and easy to use, the experimenter can quickly get started and master the experimental colony counting operation.

★ No need to install drivers, no need to install software, software directly copy and use, strong compatibility, adapt to different versions of windows operating systems, do not need to worry about software compatibility problems of different systems.

★ Can read plate count, spiral inoculation, coating method, pouring method, mesh filtration membrane and other colony number.

★ Three-level permission management, according to the login permission to open the corresponding functions, fully and effectively ensure the management of the software and application security (optional).

★ Audit tracking function, design log module and history module, you can always understand the use and change of the instrument, grasp the dynamic situation of the use of the instrument.

★ Data traceability function, can save the detection statistical results according to the demand, the saved statistical data will be automatically processed and stored the corresponding petri dish colony image, to provide an effective legal basis for supervision and testing.

★ Anti-handwriting interference function, no additional operation is required in the non-statistical area, effectively avoiding the impact of handwriting on recognition.

★ Automatic segmentation of adherent colonies: Smart counter colony intelligent recognition technology can automatically segment adherent colonies.

★ Grid membrane colony count: can identify the colony on the mesh filter membrane.

Technical Parameter

1. dish diameter: 90mm and 55mm standard
2. detection: Automatic or manual
3. light: long-life dual LED light source
4. CCD pixels: 5,000,000, 8,000,000, 10,000,000, three sizes optional
5. colonies Resolution: 0.1mm
6. counting time: <1s
7. Language: Chinese / English
8. Material: ABS plastic
9. Data Interface: USB
10. Dimensions: 290 × 260 × 380 mm
11. Power: 220V, 50Hz
12. Weight: 3 kg

Applications of Colony Counters
Colony counters are used in various research laboratories, including
- Life sciences, cell and molecular biology
- Pharmaceutical research
- Environmental testing
- Academic laboratories, and more.

Dealer Details

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