

Automatic Microbial Colony Counter

The automatic colony counter is used for quality and health inspection of food, beverage, water, milk, dairy, cosmetics, and pharmaceuticals. It is suitable for counting microbial colonies and observing colony growth.



Overview

Automated Microbial Analysis

The Automatic Microbial Colony Counter is a modern, efficient instrument designed for high-precision microbial colony counting. It streamlines quality inspection workflows in food, beverage, water, clinical, and pharmaceutical sectors by eliminating manual counting errors. Featuring advanced CMOS imaging and automated software segmentation, this device ensures reliable, rapid results even in complex distribution environments.

Technical Specifications

Counting Time

0.5 s

Processing Speed

Illumination Modes

- Long life LED light source
- Four combinations of light and color background
- Black background
- White background

CMOS Resolution	1280*768 pixels
Colony Resolution	0.1 mm
Compatible Dish Diameters	90mm, 55mm

Physical Attributes

Dimensions	320mm (Height) x 230mm (Diameter)
Weight	0.8 kg
Housing Material	ABS

Connectivity & Power

Data Interface

USB

Power Requirements	12V / 3A
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Applications

Primary Use Cases

- Food and beverage quality inspection
- Water quality analysis
- Milk and dairy product detection
- Hospital clinical detection
- Cosmetics quality inspection
- Pharmaceutical quality testing