

# LK-MDC-01 Microbial detection counter

## Product Overview



The microbial detection and counting instrument is a rapid testing device that directly reads the results of enzyme substrate detection. It is suitable for the rapid enzyme substrate detection of total coliform, fecal coliform, Escherichia coli, aerobic plate count, enterococci and Pseudomonas aeruginosa.

It is also equipped with an automatic counting function for the aerobic plate count method and membrane filter method, enabling accurate recording and storage of each test result. Adopting an integrated computer-instrument design and supporting touch-screen operation, the instrument saves valuable laboratory space while improving work efficiency.

Equipped with an ultra-high-definition camera, it can capture and store high-quality images of each test result for record-keeping.

## **Product Features:**

- (1) Countable Items: Total Colony Count, Total Coliforms, Fecal Coliforms, Escherichia coli, Enterococcus, Pseudomonas aeruginosa, etc.
- (2) Compatible Sample Types: 51/97-well quantitative plates, 84-well quantitative plates (exclusive for total colony count enzyme substrate method), 90mm petri dishes, 45mm filter membranes, etc.;
- (3) Fluorescent Bacteria Detection: Supports detection of fluorescent bacteria such as Escherichia coli under 365nm UV light;
- (4) Door: Self-closing drawer door;
- (5) Sample Trays: Compatible with multiple sample types, including 51/97-well quantitative plates, 84-well quantitative plates (dedicated for total colony count enzyme substrate method), 90mm petri dishes, 45mm filter membranes, etc.;
- (6) Data Interface: Dust-proof, independent USB 3.0 port.

## **PRODUCT SPECIFICATIONS**

Power supply voltage: AC 220V, 50Hz;

Environmental temperature: 5 °C~35 °C;

Relative humidity: 20% to 90%, without significant dust and corrosive gas pollution;

Digital imaging configuration: 6.3 million pixel CMOS camera, using Sony sensors, with ultra-high sensitivity and

Ultra low noise, equipped with USB 3.0 high-speed transmission interface and 5MP high-resolution lens;

Applicable sample types: 51 well quantitative detection disk, 97 well quantitative detection disk, 84 well quantitative detection disk, culture

Dish, filter membrane, etc;

Applicable testing items: total coliforms, fecal coliforms, Escherichia coli, Enterococcus, Pseudomonas aeruginosa

Cell count, total bacterial count, colony count, etc;

Screen parameters: 13.3-inch capacitive touch all-in-one machine;

Operating System: Professional genuine system with WIN10 or above (computer updates are frequent, subject to actual conditions);

Computer hardware: i7 processor/8GB memory/512 solid-state drive (computer updates frequently, subject to actual conditions);

Data interface: USB 2.0 or above;

Weight:  $\leq 25\text{kg}$ ;

Appearance dimensions: 450mm (length) x 440mm (width) x 440mm (height) ( $\pm 5\text{mm}$  error).