

MedView

RAPID AUTOMATIC
BIOLOGICAL
Reader



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MINIVIEW

PRODUCT FEATURES

- Automated reading with fast results
- Multi-directional alarm prompt
- Integrated data processing and storage
- Sterilization information traceability system
- Intuitive touchscreen interface with visual user guidance
- Compatible with all rapid biological indicators

(20 minute, 1 hour and 3 hour BIs)

INDICATIONS FOR USE

The device is designed for constant temperature incubation monitoring of rapid biological indicators. Fluorescence changes in the indicators can be detected within 20, 60, or 180 minutes for:

- Low-temperature hydrogen peroxide plasma sterilization
- Pressure steam sterilization
- Low-temperature steam formaldehyde sterilization

For ethylene oxide sterilization, results are available within 180 minutes.

Final positive or negative culture results are automatically determined and displayed.

PRODUCT DESCRIPTION

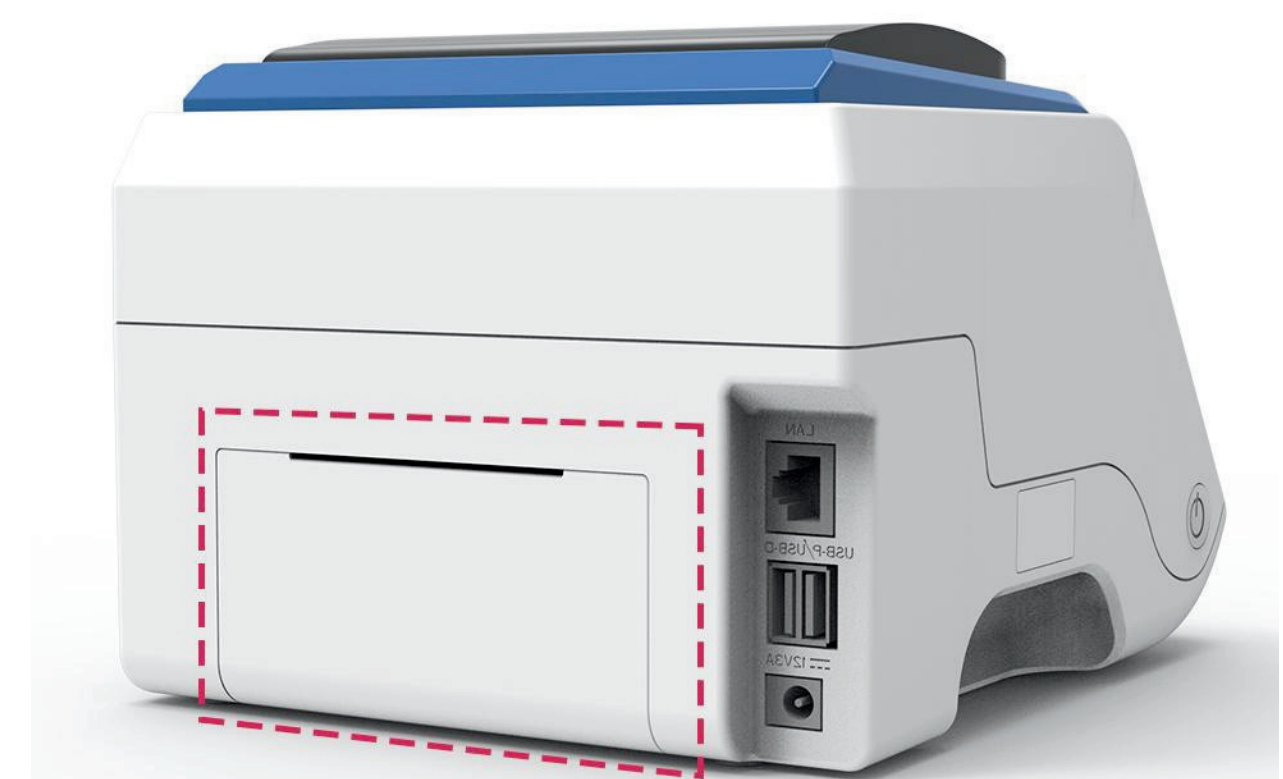
Product Structure and Components

The system consists of an upper housing, lower housing, display module, embedded needle printer, scanning module, dust cover, and power adapter.

Monitoring Principle

The MiniView Automatic Bio Reader operates based on rapid biological indicators. It detects fluorescence generated by the interaction between specific components of the culture medium and metabolites produced during the growth and reproduction of *Geobacillus stearothermophilus* and *Bacillus atrophaeus*.

Under ultraviolet irradiation, the reaction products emit fluorescence, which is continuously monitored by a photosensitive receiver sensor. By analyzing fluorescence intensity, the system rapidly determines metabolite concentration, thereby indicating the survival status of the spores.



SPECIFICATIONS

OPERATING PARAMETERS

Power Supply Item	Power Requirements
Input	AC 100–240 V, 1.5 A, 50/60 Hz
Output	DC 12 V, 300–6000 mA
Operating Temperature	5 °C–35 °C
Operating Humidity (RH)	≤95% RH (no condensation above 85%)
Operating Atmospheric Pressure	700–1060 hPa
Operating Voltage	DC 12 V
Operating Current	DC 1.8 A (max.)
Storage Temperature	–10 °C to 45 °C
Storage Humidity (RH)	10%–90% (non-condensing)
Overvoltage Category	Category II
Pollution Degree	2

Item	Parameters
Cultivation Time	20, 60, or 180 minutes
Dimensions (WDH)	200 × 170 × 140 mm (W × D × H)
Net Weight	1.2 kg
Gross Weight	1.5 kg
Cultivation Holes	4
Screen Size	5 inch touchscreen
Screen Resolution	800 × 480 pixels
Cultivation Temperature	Cultivation temperature selected based on indicator type
Built-in Printer	Real-time printing of cultivation results