ATP-100 ATP LANDTEK Fluorescence Bacteria Detector

- Introduction The ATP bioluminescence detector uses biochemiluminescence technology to change the invisible ATP concentration into visible light output, thereby indirectly displaying the number of microorganisms with quantitative results. The value is between 0 and 9999, expressed in relative light

The ATP-100 is a fluorescent bacteria

- This device offers precise and efficient detection, suitable for various applications requiring high sensitivity in bacteria measurement
- **Detection Accuracy:** 1 × 10^(-15) mol ATP (high sensitivity type).
- **Detection Limit:** ≤ 1.0 CFU/ml for bacteria; coliform bacteria ≥ 1 × 10^(-6) CFU.
- **Detection Time:** Ranges from 1 second to 60 seconds.
- **Detection Interference:** ± 5% or ± 5 RLUs.
- **Background Value:** ≤ 2 RLUs.
- **Detection Mode:** RLU or coliform screening.
- **Limit Setting:** Adjustable up to 1,000 or more.
- **Storage Capacity:** Can store 3,000 results or more.
- **Data Output:** USB interface for transmitting results to a computer.

Features

- This ATP rapid detector adopts special sealing material to improve light resistance, and the detection result is more accurate and stable.
- The interface is simple and easy to operate.
- Bottom detection is not affected by the angle of the instrument being held or placed, the detection data is not disturbed, and the result is more stable.
- Integrated box design, convenient to carry when traveling.
- A significantly low background value is more conducive to the detection of trace ATP, with good reproducibility, providing users with more reliable and accurate data.

Features

- Detection Accuracy: 1x10^-15 mol ATP (high sensitivity type). This indicates the device can detect very small amounts of ATP.
- Detection Lower Limit: ≤1.0 CFU/ml. This means it can detect very low levels of microbial contamination.
- Detection Time: 1 second - 60 seconds. This shows how quickly the device can provide results.
- Background Value: <2RLU. A low background value is important for accurate detection of trace ATP.
- Storage Size: More than 3000. This indicates the device can store a large number of test results.
- Test Result: USB interface, the result can be transferred to the PC. This allows for easy data analysis and record-keeping.
- Instrument Size: 199mm×76mm×37mm (W×H×D). This shows the device is compact and portable.
- Battery: 2 AA batteries. This makes the device easy to power and use in various locations.
- Overall, these specifications suggest that this ATP bioluminescence detector is a sensitive, accurate, and user-friendly device for detecting microbial contamination.