

Intelligent Compost Degradation Analyzer



1.Introduction:

The BEP series Intelligent Compost Degradation Analyzer is a high-tech biodegradation analysis measuring instrument independently developed by BEVS with many years of biodegradation research and development technology and application experience, using patented intelligent algorithms, adhering to the human-oriented design concept, and the latest independent research and development of high-end intelligent compost degradation testing equipment. BEVS is committed to protecting our common earth home.

The BEP series intelligent compost degradation analyzer provides proprietary data analysis software and one-click report output function. It is suitable for manufacturers, inspection and testing institutions and research institutes to conduct research, analysis and testing on degradable materials.

2. Features:

- 1) 15-inch touch screen operation
- 2) Human-machine real-time interface communication
- 3) Integrated design makes the laboratory more tidy

2.1. Composting reaction module

- 1) Independent compost containers, made of high-grade quartz
- 2) Two layers shelf, each shelf can hold up to 18 compost containers
- 3) Freely combinable, independent test, intelligent identification channel

2.2. Measurement monitoring module

- 1) Each channel with gas flow and carbon dioxide (CO₂) concentration sensors

- 2) Data collection of all channels is completed every 15 seconds, real-time monitoring of microbial activity status
- 3) Real-time intelligent integration of carbon dioxide during the measurement process, automatically save all channels test data each hour
- 4) Real-time display of dynamic curves of flow rate, carbon dioxide concentration and output
- 5) Flow leakage alarm

2.3. Result Analysis Module

- 1) With intelligent data grouping analysis software
- 2) One-click analysis of test results, greatly saving laboratory human resources

2.4. Metering/Calibration

- 1) Support metering/calibration mode
- 2) The key sensors can be calibrated by customers to ensure the accuracy of the measurement
- 3) The CO₂ measuring components are regularly calibrated with standard gases to meet the needs of laboratory management

2.5. Unexpected power failure to continue testing function

Support unexpected power failure, continue testing if power back within 48 hours

3. Comply with Standards

ISO 14855-1, GB/T 19277.1, ASTM D 5338, JIS K 6953, DIN V54900

4. Ordering information

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| BEP 8109 | Intelligent Compost Degradation Analyzer (9 channels) |
| BEP 8112 | Intelligent Compost Degradation Analyzer (12 channels) |
| BEP 8118 | Intelligent Compost Degradation Analyzer (18 channels) |
| BEP 8124 | Intelligent Compost Degradation Analyzer (24 channels) |
| BEP 8130 | Intelligent Compost Degradation Analyzer (30 channels) |
| BEP 8136 | Intelligent Compost Degradation Analyzer (36 channels) |