BI-2000 Aerobic – Anaerobic Respirometer

Field Proven Reliability and Long-term Accuracy has made the BI-2000 THE Respirometer of Choice!!!

Features

- Individual Reactor Control
- Individual Reactor Oxygen Supply
- Automatic, Real-Time Graphic and Numeric Data Presentation
- Automatic Atmospheric Pressure Data Compensation

- Expandability- up to 16 Reactors
- Automatic Temperature Control
- Built-in Reactor Leak Testing
- Software Windowing (run the BI-2000 and Perform Data Manipulations Simultaneously)

Features (continued)

- Automatic Data Preservation
- Individual Reactor Mixing Control
- Windows® Based Control Software
- CE Mark
- 110 Volt or 220 Volt Configuration
- Highly Flexible, Modular Design

- Specialized Reactors Designed for Testing Soil, Large Volume Samples, High Oxygen Requiring Samples and Ultra-Low Oxygen Requiring Samples, Anaerobic Testing
- High Precision in Long Term Studies

Applications

- Aerobic/Anaerobic Testing
- Toxicity Screening Tests
- Treatability Testing
- Bioaugmentation and Sludge Activity Studies
- Wastewater Biodegradability Testing

- Biodegradability
- Bioremediation Studies
- Soil Remediation Studies
- Biological Process Modeling
- Composting Studies/Monitoring
- OECD Ready and Inherent Biodegradability

Flexible design and specialized accessories provide the capability to test a wide range of sample types.

Specifications

Physical Characteristics:
Dimensions: 21.75" x 4.88" x 21.13" (55.25 cm x 12.4 cm x 53.67 cm); With
Temperature Controller: 21.75" x 16.75" x 21.13" (55.25 cm x 42.55 cm x 53.67 cm)
Weight: 38.5 Lbs. (17.5 Kg.); With Temperature Controller: 110 Lbs. (50 Kg.)

Space/Power Requirements:
Minimum Bench Space: 50" x 30" (127 cm x 76.2 cm)
Three Standard 115 Volt / 60 Hz Grounded Outlets (or 220 volt/ 50 Hz)

Performance:
Accuracy of Oxygen Delivery: +/- 1.0%
Oxygen Generation Rate up to 150 mg/hr
Temperature Control +/- 0.5^{o}C over range 10°C to 40°C

Materials/Design:
Painted Aluminum and Stainless Steel Module
Individual Control of Reactors
Standard 8 Reactors Expandable to 16 Reactors for operation on One Computer
Available Custom Stainless Steel Water Bath Temperature Control Unit

PC Control Unit (minimum specifications):
Intel Pentium Processor
10 GB Hard Drive
1 GB RAM
SVGA Graphics
Standard 14" Color Monitor

Customized Computer Hardware and Operating Systems Available
Windows based (2000, NT or XP) Software Operating System

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