



BREATHING TUBE LEAKAGE AND COMPLIANCE TESTER

Breathing Tube Leakage and Compliance Tester – ToronMed™ BTLCT02 is designed to determine the leakage and compliance of breathing tubes used with anesthetic apparatus and ventilators. By replicating clinical pressure and flow conditions, the instrument ensures breathing tubes meet the highest standards for safety, reliability, and patient care.

APPLICATIONS

- Basic Applications
 - Suction catheters
 - Drainage catheters
 - Anesthesia catheters
- Extended Applications
 - Trachea cannulas
 - Abdominal cavity catheters
 - Breathing catheters



Standards Compliance

The ToronMed™ BTLCT02 Breathing Tube Leakage and Compliance Tester is designed in accordance with major international medical device testing standards, including:

- ISO 5367 (Breathing tubes and connectors)

Why Choose Breathing Tube Leakage and Compliance Tester - ToronMed™ BTLCT02?

The Breathing Tube Leakage and Compliance Tester – ToronMed™ BTLCT02 delivers accuracy, consistency, and user-friendly operation for critical breathing tube performance testing. Trusted by medical device manufacturers, R&D teams, and quality control laboratories, this tester ensures compliance with global standards while reducing testing time and improving workflow efficiency.

With its robust design, advanced data management, and built-in safety protections, the Breathing Tube Leakage and Compliance Tester is a reliable solution for safeguarding patient safety and product quality.

FEATURES

- Advanced Microcomputer Control
Embedded high-speed processor with intuitive user interface ensures a smooth, efficient testing process.
- 7-Inch HD Touchscreen
Real-time display of data and curves for precise monitoring and analysis.
- Safety-Oriented Design
Integrated overvoltage protection and power-off memory maintain test stability and data security.

- Data Connectivity & Storage
RS232 interface for PC connection and transfer, plus storage for up to 100,000 test records.
- High-Precision Flow Control
Equipped with an electronic flow controller for accurate regulation of gas flow during testing.
- Customizable Test Modes
Pressure and dwell time can be preset, enabling flexible and repeatable testing cycles.
- Automated Judgment & Printing
Results are automatically calculated, displayed, and can be printed for record-keeping.

TECHNICAL SPECIFICATIONS

Specification	Value
Test Range	0-20 kPa
Test Accuracy	$\leq \pm 1\%$ FS
Flow Rate Range	0-500 ml/min
Dwell Pressure Time	0-60 min
Gas Supply Pressure	0.4-0.7 MPa (customer-supplied)
Gas Supply Port	Φ8 mm PU Tubing
Instrument Dimensions	310 × 370 × 150 mm
Reservoir Dimensions	215 × 215 × 240 mm
Voltage	AC 220V 50Hz / AC 110V 60Hz
Net Weight	25 kg

Standard Configuration

- Main instrument unit
- Integrated micro printer
- Touchscreen interface
- Customized connector set



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