



CHEST DRAINAGE TESTER

Chest Drainage Tester – Model ToronMed™ CDT01 is a specialized instrument designed to evaluate the performance and safety of disposable chest drainage devices. It is suitable for testing negative pressure monitoring, dry-seal valve opening and closing characteristics, and high negative pressure automatic release valve performance.

This advanced tester ensures that chest drainage systems meet international safety and quality standards, making it an essential tool for medical device manufacturers, quality control laboratories, and regulatory testing facilities.

Standards

The Chest Drainage Tester – Model ToronMed™ CDT01 is designed in compliance with relevant international standards for chest drainage devices, including:

- ISO Standards for Thoracic Drainage Devices – Provide testing methods for dry-seal valves, negative pressure monitoring, and safety release functions in disposable chest drainage systems.
- General International Medical Device Testing Standards – Ensure performance evaluation of respiratory and thoracic devices under simulated clinical conditions.

By adhering to these standards, the ToronMed™ CDT01 enables manufacturers and laboratories to guarantee that their chest drainage products meet the highest global benchmarks for patient safety and product reliability.

Torontech is a trusted global provider of advanced medical device testing solutions. With the Chest Drainage Tester – Model ToronMed™ CDT01, manufacturers and laboratories gain a reliable, high-precision, and standards-compliant solution that ensures chest drainage devices perform with the highest level of safety and reliability in clinical use.

APPLICATIONS

The Chest Drainage Tester – Model ToronMed™ CDT01 is ideal for:

- Medical device manufacturers producing chest drainage systems.
- Independent testing laboratories conducting compliance verification.
- Regulatory authorities and quality control departments ensuring patient safety.
- Research institutions developing and validating new chest drainage technologies.

Key Testing Capabilities

The Chest Drainage Tester – Model ToronMed™ CDT01 provides precise measurement and verification for:

- Negative Pressure Status Monitoring – Simulates clinical conditions to ensure chest drainage devices provide reliable monitoring.
- Opening Pressure Test – Evaluates the activation pressure of dry-seal valve systems.
- Closing Performance Test – Confirms the secure closure of valves to maintain negative pressure
- High Negative Pressure Release Valve Test – Ensures proper function of automatic release valves under high-pressure conditions.

FEATURES

- High-accuracy adiabatic pressure sensors with precision vacuum generator system.
- 7-inch color touch screen with intelligent data processing and user-friendly interface.
- Micro-computer chip control for simplified operation and reliable test automation.
- Real-time data analysis and automatic test result determination.
- Built-in micro printer for instant reporting of results.
- Large data storage capacity (up to 50,000 records) with fast retrieval.
- RS232 interface for PC connectivity and data export.

TECHNICAL SPECIFICATIONS

Item	Chest Drainage Tester - Model ToronMed™ CDT01
Test Range	-100 to 10 kPa
Test Accuracy	0.5% FS
Gas Supply Pressure	≤ 0.7 MPa (external supply required)
Gas Supply Port	Ø 6 mm PU tubing
Dimensions	390 × 410 × 190 mm
Standard Configuration	Instrument, micro printer, gas source connection.
Note	Customers must prepare an external gas supply.



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