

WATERPROOFNESS TESTER



Waterproofness Tester – Model ToronMed™ WPT01 is a specialized instrument designed to evaluate the water resistance and waterproofness performance of primary wound dressings. Suitable for materials such as band-aids, bandages, medical adhesive tapes, coated papers, non-woven fabrics, and composite materials, it ensures that dressings meet international safety and performance standards.

By adopting automatic timing and automatic water filling/pressurization, the tester provides precise, repeatable results and is an essential tool for medical device manufacturers, research laboratories, and quality control facilities.

The Waterproofness Tester – Model ToronMed™ WPT01 provides a compact, accurate, and standards-compliant solution for evaluating waterproofness in medical dressings, helping manufacturers and laboratories ensure products meet the highest levels of safety, performance, and patient protection.

APPLICATIONS

The Waterproofness Tester – Model ToronMed™ WPT01 is used for:

- Basic Applications: Non-woven materials, bandages, medical tapes, and coated dressings.
- Extended Applications: Any wound dressing material or composite dressing, regardless of shape, state, or specification.

This makes it particularly valuable for testing band-aids, advanced wound care dressings, and adhesive-backed medical protection materials.



Standards

The Waterproofness Tester – Model ToronMed™ WPT01 is designed in compliance with international wound dressing and waterproofness standards, including:

- EN 13726-3 – Test methods for primary wound dressings – Part 3: Determination of water resistance.
- Relevant International Standards – Specify test procedures for medical adhesive and wound dressing waterproofness across multiple materials and configurations.

By adhering to these standards, the ToronMed™ WPT01 ensures reliable, reproducible results that align with global medical device testing requirements.

FEATURES

- Indicator Light Alerts – Ensures clear test status monitoring.
- Automatic Water Filling & Pressurization – Controlled by electromagnetic valves for consistent test conditions.
- Automatic Timing Function – Provides accurate, user-friendly test cycles.
- Versatile Fixture Design – Compatible with wound dressings of varying shapes, sizes, and materials.
- Compact & Reliable – Lightweight instrument with efficient operation for laboratory and production environments.

TECHNICAL SPECIFICATIONS

Specification	Waterproofness Tester - Model ToronMed™ WPT01
Hydrostatic Pressure	Up to 500 mm
Control Valve	Electronic valve
Pressure Withstanding Time	0-99.99 (settable)
Temperature Range	15 °C - 55 °C
Humidity	≤ 90% (non-condensing)
Dimensions	500 × 200 × 750 mm
Voltage	AC 220V 50Hz (110V is also available)
Net Weight	9 kg



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