

WATERPROOFNESS TESTER



Waterproofness Tester - 2 Station

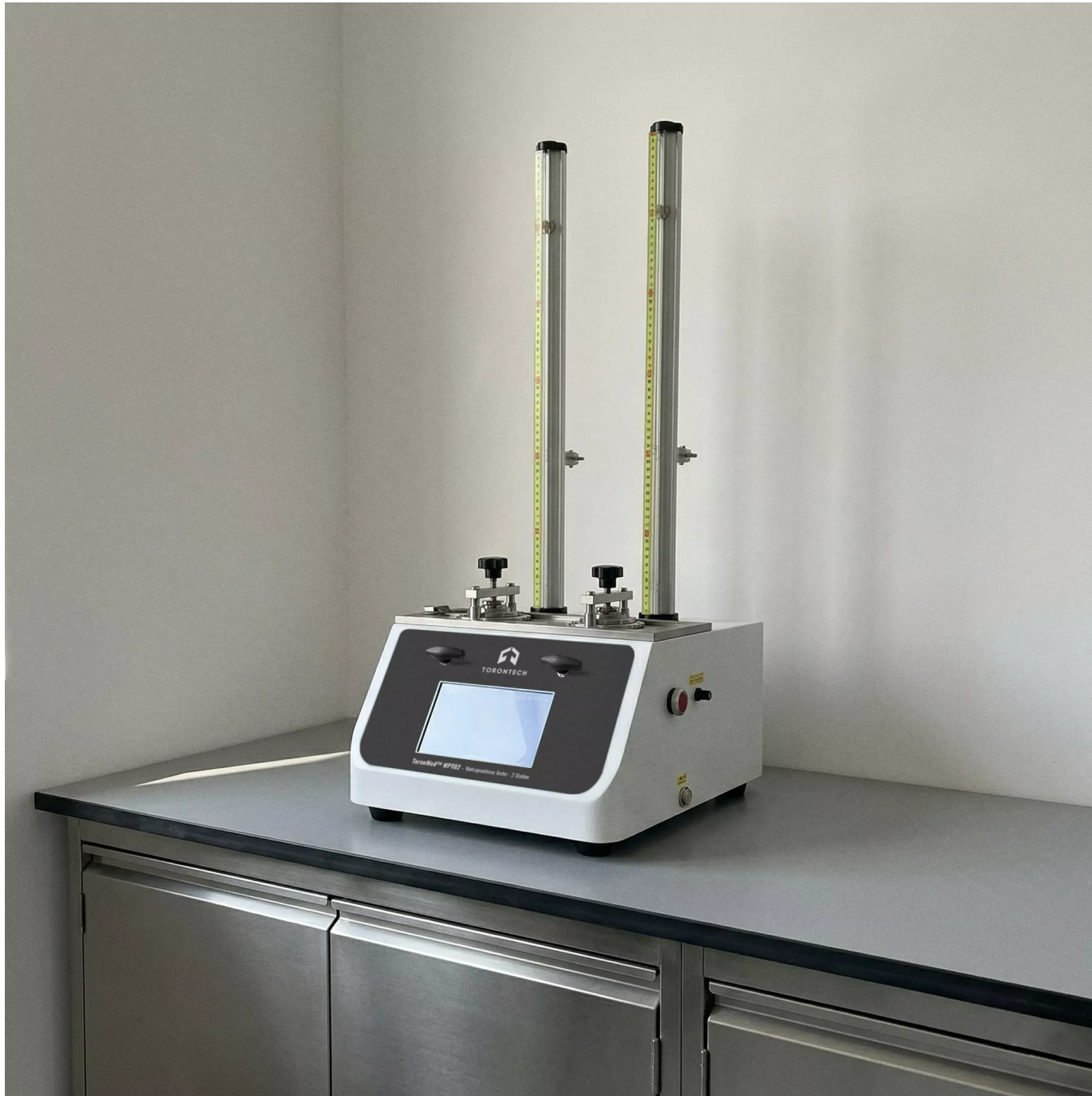
Waterproofness Tester ToronMed™ WPT02 is a 2-station hydrostatic pressure instrument designed to evaluate the waterproofness performance of primary wound dressings and related medical materials. It is suitable for testing band-aids, bandages, medical tapes, coated paper, non-woven materials, and composite materials in different shapes and specifications.

This tester uses automated pressurization and timing to support consistent, repeatable screening when a dressing claims water resistance.

APPLICATIONS

Waterproofness Tester - 2 Station Application

- Non-woven waterproofness screening: Supports routine evaluation of non-woven and composite barrier layers used in wound dressings and fixation products.
- Bandage and adhesive dressing waterproofness: used for bandages, band-aids, and medical tapes that need a water-resistant backing layer for daily wear.
- Coated paper and laminated structures: useful for coated/laminated medical materials where water barrier performance is part of product specification.
- R&D and incoming QC: helps R&D teams compare constructions and helps QC teams verify batch consistency with standardized pressure/time settings.



ToronMed™ WPT02 applies controlled hydrostatic pressure to a test specimen to determine whether water penetrates the material under defined pressure and time conditions. This is commonly used to evaluate “strike-through” or water barrier behavior of wound dressings and adhesive dressings.

The Waterproofness Tester – 2 Stationemphasizes automated control, real-time display, record storage, and pass/fail evaluation to streamline routine QC and inspection workflows.

FEATURES

Waterproofness Tester - 2 Station

- Microcomputer-controlled automatic water injection and pressurization using a pressure sensor.
- Automatic timing with real-time test data display on a 7-inch HD color LCD.
- Embedded high-speed control and high-precision sampling to support measurement stability.
- Safety protection features including overpressure protection and power-off memory.
- Large data storage capacity (up to 50,000 test records).
- Automatic pass/fail evaluation for faster QC decisions.

TECHNICAL SPECIFICATIONS

Waterproofness Tester - 2 Station Technical Specification

Item	ToronMed™ WPT02 (2 Station)
Hydrostatic pressure	500 mm
Control valve	Electronic valve

Item	ToronMed™ WPT02 (2 Station)
Pressure withstanding time	0-99.99
Operating temperature	15°C-55°C
Humidity	Up to 90% RH, non-condensing
Instrument dimensions	500 (L) × 200 (W) × 750 (H) mm
Voltage	AC 220V, 50 Hz (110V is also available)
Referenced standards	EN 13726-3



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