



MEDICAL DEVICE POSITIVE & NEGATIVE PRESSURE TESTER

Positive & Negative Pressure Tester – ToronMed™ PNPT02H is engineered to evaluate the sealing integrity and leakage resistance of medical devices by applying both positive and negative pressure conditions. This versatile system is suitable for testing infusion sets, syringes, sterile catheters, and other medical pipeline products, ensuring compliance with safety and performance standards in the healthcare industry.

Why Choose Positive & Negative Pressure Tester – ToronMed™ PNPT06H?

The Positive & Negative Pressure Tester – ToronMed™ PNPT02H provides unmatched accuracy, versatility, and safety for evaluating sealing performance in medical devices. By combining positive and negative pressure testing in one unit, it streamlines laboratory workflows and reduces equipment needs.

With advanced data security, GMP compliance, and automated result reporting, the Positive & Negative Pressure Tester is a trusted solution for medical device manufacturers, R&D teams, and quality control laboratories worldwide.

FEATURES

- **Dual Pressure Testing**
Supports both positive and negative pressure testing, with four built-in test modes for maximum flexibility.
- **High-Accuracy Test System**
Advanced pressure control system significantly improves test precision.
- **Versatile Test Connectors**
Includes standard test connectors, with optional customization available.
- **Robust Safety Design**
Overvoltage protection, power-off memory, and automatic shutdown for over-range pressure ensure safe, reliable operation.
- **7-Inch HD LCD Touchscreen**
Displays real-time test curves and data for easy monitoring.

- Large Data Storage
Capable of storing up to 100,000 test records, with historical data viewing and printing support.
- Automated Results & Printing
Provides automatic pass/fail determination and integrated data printing.
- Data Security & GMP Compliance
Four-level password protection and GMP-compliant software with user management, authority management, and audit tracking.

THEORY & METHOD

Test Principle

The Positive & Negative Pressure Tester applies controlled positive and/or negative pressure to a medical device sample. By simulating real-world conditions, the system detects leakage points and evaluates sealing integrity, providing a reliable assessment of device safety and compliance.

TECHNICAL SPECIFICATIONS

Specification	Value
Pressure Range	Positive: 0–600 kPa Negative: 0 to –90 kPa
Accuracy of Vacuum	0.1% FS
Test Time	0–9999 min

Specification	Value
Test Modes	Positive pressure, Negative pressure, Positive → Negative, Negative → Positive
Gas Supply Pressure	0.7–0.9 MPa (customer-supplied)
Gas Supply Port	Φ6 mm PU Tubing
Instrument Dimensions	310 × 385 × 150 mm
Voltage	AC 220V 50Hz / AC 110V 60Hz
Net Weight	17 kg

Standard Configuration

- Main instrument unit
- 7-inch touchscreen interface
- Standard connector
- Positive & negative pressure chamber
- Integrated micro printer



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