TORONTECH

TROCAR GAS BARRIER & SEALING TESTER

Trocar Gas Barrier & Sealing Tester – ToronMed™ ATGBST06 is designed to evaluate the air barrier and sealing performance of abdominal trocars. Using the positive pressure test principle, this system provides reliable, repeatable data to ensure that trocars meet the strict safety and performance requirements demanded in surgical environments.

APPLICATIONS

Standard Configuration

- Main instrument unit
- 7-inch touchscreen interface
- Micro printer
- Water container
- Standard stainless steel rods (large and small)

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TyrosMed ATGS5106
Automated Tensile Seal Barrier & Sealing Tester

Why Choose Trocar Gas Barrier & Sealing Tester – ToronMed™ ATGBST06?

The Trocar Gas Barrier & Sealing Tester – ToronMed™ ATGBST06 combines precision, automation, and robust design to deliver accurate and reliable sealing performance evaluations. Trusted by medical device manufacturers, R&D facilities, and quality control laboratories, this tester ensures that abdominal trocars meet the highest standards of air barrier and sealing safety

With its high-capacity data storage, user-friendly operation, and compliance with global standards, the Trocar Gas Barrier & Sealing Tester is an essential tool for ensuring surgical device reliability and patient safety.

FEATURES

- Advanced Microcomputer Control
  Embedded processor with intuitive interface offers stable and efficient operation.
- 7-Inch HD Color Touchscreen
  Real-time display of test data and curves for clear, precise analysis.
- Robust Safety Systems
  Overvoltage protection and power-off memory safeguard both operator and test integrity.
- High-Precision Flow Control
  Equipped with an advanced electronic flow controller for accurate gas flow regulation.
- Customizable Test Modes
  Pressure and hold time can be preset, with direct input for quick test setup.
- Specialized Stainless Steel Rods
  Includes standard stainless steel puncture rods (large and small) with surface roughness ≤0.4 μm and lengths equal to or greater than trocar working length.
- Data Management & Reporting
  Stores up to 50,000 test records, with automated pass/fail judgment and integrated printing.

- Durable Water Container
  Flat-bottom design ensures stable testing conditions.

THEORY & METHOD

Test Principle

The Trocar Gas Barrier & Sealing Tester applies controlled positive pressure to the trocar assembly and monitors for leakage. By maintaining set pressure and measuring sealing performance, the system evaluates whether the trocar provides the required air barrier properties for safe surgical use.

TECHNICAL SPECIFICATIONS

Specification	Value
Test Range	0–10 kPa
Accuracy	0.1 kPa
Resolution	0.01 kPa
Gas Supply Pressure	0.4–0.7 MPa (customer-supplied)
Gas Supply Port	Φ8 mm PU Tubing
Instrument Dimensions	310 × 370 × 150 mm
Voltage	AC 220V 50Hz / AC 110V 60Hz
Net Weight	25 kg

TORONTECH.com

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