

GUIDEWIRES TIP FLEXIBILITY TESTER



Guidewires Tip Flexibility Tester | ISO 11070, FDA Guidance (16007)

Guidewires Tip Flexibility Tester – ToronMed™ GTFT01 is a specialized instrument designed to evaluate the tip flexibility of intravascular guidewires and catheters. With its advanced displacement measurement system, high-precision load cell, and real-time data processing, this tester provides accurate and repeatable results for R&D laboratories, medical device manufacturers, and regulatory compliance testing.

Standards Compliance

The ToronMed™ GTFT01 Guidewires Tip Flexibility Tester is designed in accordance with:

- ISO 11070 – Intravascular catheters – Sterile and single-use intravascular catheters
- FDA Guidance (16007) – Coronary, Peripheral, and Neurovascular Guidewires – Performance Tests and Recommended Labeling

Standard Configuration

- Main instrument unit
- 10.1-inch touchscreen interface
- Transparent test base (2 pcs)
- Measuring block
- Micro printer
- Test fixture

Why Choose Guidewires Tip Flexibility Tester - ToronMed™ GTFT01?

The Guidewires Tip Flexibility Tester – ToronMed™ GTFT01 ensures precision, compliance, and reliability for evaluating guidewire and catheter tip flexibility. With its large touchscreen interface, automated calibration, transparent observation base, and GMP-ready data management, it is the ideal solution for medical device manufacturers, inspection authorities, and R&D centers. By ensuring flexibility standards are met, this tester helps guarantee safety, durability, and clinical performance of interventional devices.

APPLICATIONS

- Basic Applications
 - Intravascular guidewires
- Extended Applications
 - Thin catheters
 - Other interventional devices requiring tip flexibility testing

FEATURES

- High Accuracy & Repeatability
 - Imported load cell ensures 0.5% FS accuracy, with stable performance and long service life.
- Advanced Displacement Control
 - Accuracy up to 0.1 mm, with stepless adjustment and precise control over the testing process.
- 10.1-Inch Color Touchscreen
 - Intuitive interface with real-time curve display and data analysis.

- **Transparent Test Base**
Professionally designed base allows clear observation of guidewire behavior during testing.
- **Data Management**
Stores 100,000+ test records, with micro printer and USB interface for convenient data transfer and reporting.
- **User-Defined Testing**
Adjustable curve points for customized test profiles and flexible research applications.
- **Automated Calibration & Judgment**
Simplifies operation while ensuring reliable performance.
- **Data Security (Optional)**
GMP-compliant software with user management, authority levels, and audit trail capabilities.
- **Safety Protection**
Over-range shutdown automatically prevents sensor overload.

THEORY & METHOD

Test Principle

The Guidewires Tip Flexibility Tester applies controlled force to the tip of a guidewire or catheter, measuring its displacement and resistance. This simulates clinical conditions to evaluate flexibility, durability, and overall product safety. Results are recorded, analyzed, and stored automatically.

TECHNICAL SPECIFICATIONS

Specification	Value
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Test Range	0-500 g
Accuracy	0.5% FS
Resolution	0.001 g
Displacement Range	0.001-40.000 mm
Displacement Resolution	0.001 mm
Test Speed	0-10 mm/s
Speed Accuracy	±0.01 mm/s
Dimensions	500 × 400 × 350 mm
Net Weight	21 kg
Voltage	AC 220V 50Hz (110V is also available)



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