TORONTECH

CATHETER CUFF INFLATING DIAMETER TESTER

Multi-Function Testing System for Cuff Expansion, Cannula Collapse, and Protrusion Measurement

ToronMed™ CCID01 Catheter Cuff Inflating Diameter Tester is a precision instrument designed to evaluate the inflated diameter of endotracheal tube cuffs, perform cannula collapse testing, and measure cuff protrusion under controlled conditions. Using a positive pressure principle, this tester simulates real-world clinical environments for consistent and repeatable measurements.

Equipped with an advanced pressure chamber, intuitive touchscreen controls, and robust data security features, the system supports both gas and liquid-based testing, making it ideal for comprehensive validation of a wide range of catheter-based medical devices.

APPLICATIONS

Applications

Primary Application	Extended Application
Endotracheal tubes	Suction catheters
Peritoneal catheters	Drainage catheters
Urinary catheters	Anesthesia catheter sets

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TeronMed-CCID01
Catheter Cuff Inflating Diameter Tester

Included Standard Configuration

- Main instrument unit
- Pressure/liquid test tank
- Integrated micro printer
- Multi-connector interface set (customized)

Note: Gas source is not included. The user must connect an external compressed air supply to the Ø8 mm PU inlet.

FEATURES

Key Features

- Supports three test modes:
  - Cuff Inflating Diameter Test
  - Cannula Collapse Test
  - Cuff Protrusion Test
- Dual-function pressure test tank accommodates both gas and liquid media
- Compatible with Luer lock, cone, pagoda, and other standard connector types
- Built-in overpressure protection, power-off memory, and automatic test result interpretation
- 7-inch HD color touchscreen for real-time curve display and parameter setting
- Adjustable pressure and test duration presets
- RS232 interface for PC connectivity and data transmission
- Micro printer included for immediate hardcopy test reports
- Stores up to 100,000 test records, supporting audit and recall functions

- Fully compliant with GMP computerized system requirements including:
  - User access management
  - Audit trails
  - Multi-level password security

TECHNICAL SPECIFICATIONS

Specification	Value
Model	ToronMed™ CCID01
Test Range	0–10 kPa (0–1.45 psi)
Accuracy	±0.5% FS
Gas Supply Requirement	≤ 0.7 MPa (user-supplied)
Gas Inlet Port	Ø8 mm PU tubing
Dimensions (Main Unit)	300 mm (L) × 410 mm (W) × 150 mm (H)
Dimensions (Pressure Tank)	215 mm (L) × 215 mm (W) × 240 mm (H)
Voltage	AC 220V 50Hz / AC 110V 60Hz
Net Weight	30 kg

TORONTECH.com

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