



TORONTECH



FRIABILITY TESTER TORONFRITUS™

Friability Tester ToronFRITUS™ is a robust and user-friendly device designed for precise friability testing. It features a stepper motor with variable speeds (20–60 RPM), patented abrasion drum support, and a 5" TFT display for easy operation. With advanced functionalities like biometric login, LAN printer interface, and a weighing scale connection, it ensures compliance with 21 CFR Part 11 standards. Compact, efficient, and future-upgradable, it's ideal for rigorous testing needs.

APPLICATIONS

Care & Maintenance

1. Routinely check drum(s) for signs of cracks or chips
2. Clean the drums) thoroughly using de-ionized water and dry with lint-free cloth

Friability Tester ToronFRITUS

Optional accessories

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Abrasion Drum

Part no. 0402A00008

Standard accessories

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Friability drum

Part no. 0402A00009

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New Tablet Collection Tray With Drawer (HIPS)

Part No – 0403A0

FEATURES

Quality By Design

Features:

- Automatic Calculation
- 10° tilt of the drum with bench top
- Automatic discharge of test Samples
- Loading of samples into the drum without removing drum

- Weighing Balance Connectivity

Benefits:

- Increases convenience throughput Compliance
- Increases compliance & convenience

Robust Design

Features:

- Compact foot print
- cGMP body
- Moulded certified drum
- IP 42 equivalent

Benefits:

- Saves bench space
- Increases compliance

User friendly Interface

Features:

- Interactive touch screen
- Biometric login
- Electronic logbook and audit trail
- Increased protocol storage space, Number of users and access levels

- Disaster management
- Automatic backup service remote
- Date & time sync with network

Benefits:

- Aids functioning, increases convenience
- Increases compliance, eases setup
- Increases compliance
- Provides complete 21 CFR part 11 compliance, eases regulatory burden
- Increases compliance & data safety
- Increases compliance & convenience
- Increases compliance

Flexible configuration

Features:

- Future upgradable
- Multiple configuration

Benefits:

- Gives flexibility & increases compliance
- Gives flexibility to choose from multiple license options to meet the requirement

TECHNICAL SPECIFICATIONS

Specifications	Details
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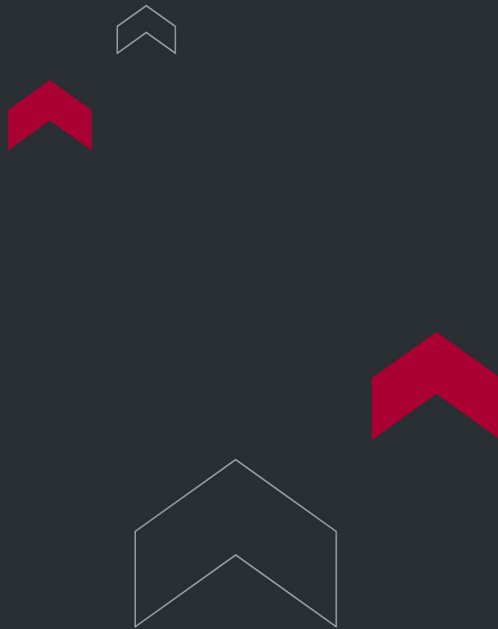
Speed	Variable Speed from 20 to 60 RPM
Motor	Stepper motor
Time Range to run protocol	5 Sec. to 9 Hrs. 59 Min. 59 Sec.
Display Time Range	0 sec to 9 Hrs. 59 Min. 59 Sec.
Time Resolution	01 Second
Count Range	1 to 9,999 revolutions
Display	5" TFT display
Drum Type Supported	Abrasion Drum
Weighing Scale Interface	9-Pin D connector for RS - 232 Note: Weighing Scale with 1 - mg resolution is preferable.
Printer Interface	LAN Printer
Printer Supported	40 column, 80 column Dot matrix printer
Voltage	220/230 VAC, 50/60 Hz 100/110 VAC, 50/60 Hz, 28VA
Fuse Rating	T 315mAmp (For I/P as 220/230 VAC) T 750mAmp (For I/P as 100/110 VAC)
Size	L = 350 mm, W = 260mm, H = 430mm
Weight	10 Kg approx with drum

Storage Capacity	Basic	Network	Advance Reporting	CFR	OPC
Users	50	50	250	250	250
Roles	10	10	10	10	10

Storage Capacity	Basic	Network	Advance Reporting	CFR	OPC
Audit trails				200000	200000
Report Template			10	10	10
Reports	1 (Last Report)	1 (Last Report)	50000	50000	50000
Products	20	20	1000	1000	1000
Methods	20	20	1000	1000	1000
Logbook			200000	200000	200000

Modules	Basic	Network	Advance Reporting	CFR	OPC	DM
Basic Security	✓	✓	✓	✓	✓	
Report Print Serial port	✓	✓	✓	✓	✓	
Dlight	✓	✓	✓	✓	✓	
Buzzer	✓	✓	✓	✓	✓	
Machine to Machine data transfer		✓	✓	✓	✓	
Report Print LAN port		✓	✓	✓	✓	
DHCP/Static LAN option		✓	✓	✓	✓	
Network/Time Sync option		✓	✓	✓	✓	
Advance Security			✓	✓	✓	
Logbook			✓	✓	✓	
Report Template			✓	✓	✓	
Audit trail				✓	✓	

Modules	Basic	Network	Advance Reporting	CFR	OPC	DM
Backup/Restore				✓	✓	
CSV/Json File transfer for LIMS/MES					✓	
Hourly backup (disaster recovery)						✓



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