

**Packaging - Processing
Bid on Equipment**

1-847-683-7720

www.bid-on-equipment.com

SURE TORQUE, INC.



"An Ergonomically Responsible Company"



ST100 ELECTRONIC TORQUE TESTER

On the industry, government, and consumer levels, there has been an increased focus on cap torque testing. This is in response to concerns regarding safety, liability, ergonomic issues such as Carpal Tunnel Syndrome, as well as product integrity and shelf life. Sure Torque has developed the ST100 Cap Torque Tester, which is an economical version of its more sophisticated ST94 Model, to address these concerns.

The Model ST100's operation is as simple as placing the container on a platform and pushing a button. The machine will automatically clamp the container, positively chuck the cap, run the designated test, display the results, and finally transfer those results to your computer database or printer.

Using the Sure Torque ST100 Cap Torque Tester increases your productivity and accuracy, and greatly diminishes the risk of ergonomic injury.

Benefits

- Fully Automatic Testing
- Automatic Clamping
- Highly Accurate Transducer Technology
- Ergonomically Designed Configurations
- User Friendly Design
- Heavy Duty "Production" Designed Components
- Accuracy of 0.2 in-lb Over Scale
- Resolution % +/- 0.1 in-lb
- 0-100 in-lb Range Standard
- Digital Display of Test Results-Peak & Hold
- Digital Display Torque Settings
- Digital Read-Out & Message Center
- Automatic or Override Mode
- 180° Operation (Standard)



**QUALITY
ASSURANCE
INSTRUMENTATION**

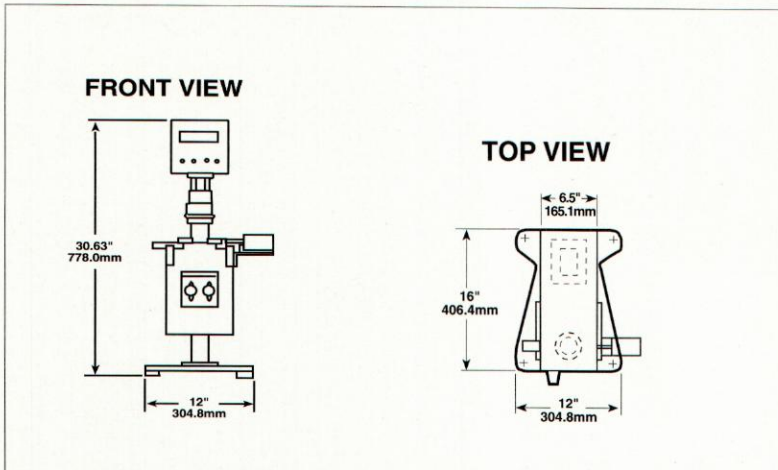
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SPECIFICATIONS, OPTIONS, FEATURES, ANCILLARY EQUIPMENT



Options

- NEMA 4 Electric Enclosure
- ASTM Calibration Kit - Laboratory
- ASTM Calibration Kit - Portable
- 360° Rotation
- In-Line Units
- 10" Platform
- Designed for Explosion Proof Environments
- Special Component Fixture
- Special or CR Type Closures
- Additional Sets of Change Parts - Collets/Clamps
- Custom Engineered Functions
- Table Top Printers
- Sure Torque Compatible Personal Computer
- Password Protection Installation

Specifications

Measurement Torque Range:	0 - 100 in-lb (11.3 Nm)
Applied Torque Range:	0 - 100 in-lb (11.3 Nm)
Temperature Range (Components):	32° - 122° F (0 - 50° C)
Nominal Sensitivity:	2mV / V
Measurement Resolution:	+/- 0.1 in-lb
Accuracy (Full Scale):	+/- 0.2 in-lb
Transducer:	350 OHM Strain Gauge
Maximum Load, Safe (%):	150%
Calibration, Certifiable NIST Traceable Accuracy:	ASTM Calibration Test Kit
Display:	1 / 16 Character Message Center
Control:	4 Multi-function Push Buttons
Power:	110 - 220VAC, 47 - 63Hz, Max 35 VA
Air:	Min 80 psi



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Sure Torque ST100 Torque Tester

Features

- NEMA 12 Housing & Electronic Enclosure
- Semi Automatic Torque Testing - NO HUMAN INTERVENTION
- Semi Automatic Tightening - NO HUMAN INTERVENTION
- Pneumatic Container Clamping & Cap Chucking
- No Ergonomic Repetitive Actions
- No Manual Container Clamping or Cap Removal
- No Handwritten Results (Printer Port)
- Decreased Risk of ERGONOMIC INJURY
- ACCURATE Determination of ACTUAL CAP REMOVAL
- ACCURATE Determination of ACTUAL APPLIED TORQUE
- Electronic Torque Adjustment
- Fast Easy Changeovers
- State-of-the-Art Micro Electronics
- Factory Calibrated with Certifiable Test Weights with NIST Traceable Accuracy
- Fast Change Torque Setting
- Real Time Clock Interface
- Newton-Meters Conversion
- Counter Balance System for Height Adjustment
- Release Torque Test
- Release Test & Reapply Mode
- Applied Torque Mode (for applying closures)
- RS-232 Serial Port

Ancillary Equipment

- Air Compressor (Portable)
- Portable Stand w/Casters & Drawings
- Guarding w/Safety Interlock
- Emergency Stop Button