

The open and lock forces of bottle caps are important online and offline production parameters. They can influence the transportation and consumption of products. NJY-20 Digital Torque Tester is designed to measure the open force and lock force of the caps of bottles, spout bags and flexible tube packages. Its great stability and precision makes it a necessity for the manufacturing process.



Professional Technology

- The instrument is controlled by micro-computer with menu interface, PVC operation panel and large LCD display
- 2 test modes for open force and lock force
- Automatic retaining of peak value and recording the test results precisely
- Standard testing units which is convenient for data reference and comparison
- Intelligent designs of overload protection, automatic zeroing and error alert for safe test operation
- Equipped with RS232 port and micro printer port which is convenient for the data transfer and PC connection
- Supports System™ Lab Data Sharing System for uniform and systematic data management

Test Standards

This instrument conforms to various national and international standards:
 ASTM D2063, ASTM D3198, ASTM D3474, BB/T 0025, BB/T 0034, GB/T 17876

Applications

Basic Applications	Bottle Packages	Open and lock force test of the bottle caps for bottled packages for food, pharmaceuticals, e.g. beverage or tablet bottles
	Flexible Tube Packages	Open and lock force test of flexible tube packages for food, pharmaceuticals and cosmetics, e.g. eye-drop, hand cream and shoe polish
Extended Applications	Screws	Open and lock force test of the screws
	Vacuum Flasks and Vacuum Cups	Open and lock force test of the caps of vacuum flasks and vacuum cups

Technical Specifications

Specifications	NJY-20
Load Cell	20 Nm (Standard)

Capacity	40 Nm (Optional) 50 Nm (Optional)
Accuracy	1% FS
Resolution	0.001 Nm
Clamp Range	Φ5 mm ~ Φ170 mm (Diameter)
Statistical Analysis Allowance	1 ~ 9 If used with professional software, there will be no quantity limitation. Furthermore multi-units and statistical data analysis will be available.
Instrument Dimension	350 mm (L) x 240 mm (W) x 140 mm (H)
Power Supply	AC 220V 50 Hz
Net Weight	19 kg

Configurations

Standard Configurations	Mainframe and Micro Printer
Optional Parts	Professional Software and Communication Cable

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