

SPECIFICATION SHEET

Bottle Cap Torque Tester

MODEL: QBCT – 01

Applications

- Ideal for testing opening and closing torque of sealed bottles used in the field of Food and beverages, Pharmaceutical and medical, Cosmetics, household chemicals, industrial, automotive and gardening oils and chemicals and others.

Importance of Torque Tester

Bottle cap torque (open and lock force) is one of the main factors affecting the sealing performance. Over torque force would bring great difficulties for open and winding up of bottle cup and thus reduce the convenience. In-sufficient torque force will affect the seal.

- Performance of the container, and further result in the leakage during transportation. Hence, consistent measurements and control of torque is required to assure proper closure tightness. Therefore, bottle cap torque tester plays an important role.
- It is important to meet the standards like ASTM D2063, ASTM D3198, ASTM D3474 or equivalent National /International standards.
- Torque tester designed to meet the above standards and stands for excellent levels of performance and repeatability, guaranteeing high quality results and thereby enabling the packing manufacturers to perfect the design of their product and guarantee consistent quality in production.

Features

- Potable, table top Model.
- A simple, accurate and economical solution for manual cap torque testing.
- The Tester captures peak readings for application and removal torques.
- Accuracy of the system 1 % FSD.
- Versatile mounting table to accommodate a variety of sizes and forms.
- It is fitted with a self centering rubber coated vice that easily holds all objects in position, thus making it possible for the operator to work directly on the cap.
- Integrated drip tray for capturing any sample spillage for easy cleaning Microprocessor based with feather touch keys for ease of operation.
- High resolution alpha numeric character display unit to read Torque in **Trace mode, Peak hold & First peak mode** with high sampling rate.
- selectable Unit of measurement : cNm, mNm, Nm, gfcm, kgfcm, lbf.in , oz.in , or Lb.ft.
- Auto zero function- automatically zeros torque reading on the display after preset time of 10s.
- Suitable for clockwise and anticlockwise operations.
- In-built calibration facility.
- Operates on 7.4 V Li rechargeable batteries. Battery life 14 hours in completely charged condition.
- Battery level indicator.
- Accessories included- AC- DC (220-240 VAC to 7.4 VDC, 120 mA) adapter, Instruction manual. Continued support for calibration traceability and service.



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Torque ranges in Nm	0.05 to 0.5	0.1 to 1	0.2 to 2	0.5 to 5	1 to 10	2 to 20
Resolution in Nm	0.0001	0.0001	0.0001	0.001	0.001	0.001
Container diameter	10 to 75 mm			20 to 195 mm		

Optional Features

- RS-232 Output to log the data in the computer.
- Analog Voltage or current Output for Torque.

Important Note

- In view of continuous improvement in Design and performance, specification is subject to Change without notice.
- Consult factory for more technical information

Factory Contact Details

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