

Motorised Bottle Cap Torque Tester

Motorised Bottle Cap Torque Tester measures the turning effort required to open or tighten a threaded closure using motor-driven rotation. It helps packaging teams evaluate cap tightness through a defined testing process, reducing the variation associated with turning each cap by hand. This makes it useful when comparing samples from different production batches, checking capping adjustments or investigating inconsistent opening performance.

Specification

- Product: Motorised Bottle Cap Torque Tester.
- Model: PCTTD-M.
- Brand: Pacorr.
- Maximum torque capacity: 20 N-m.
- Published accuracy: 0.5% of full-scale deflection.
- Display: Backlit LCD.
- Closure operation: Motorised opening and closing.
- Measurement directions: Clockwise and anticlockwise.
- Listed sample diameter range: 15–200 mm.
- Maximum vertical traverse: 400 mm.
- Measurement units: N-m, lb-in and kg-cm, as listed for the instrument.
- Peak hold: Available.
- Tare function: Available.
- Power supply: 230 V AC.
- Listed instrument dimensions: 32 × 35 × 60 cm.
- Clamping fixtures: Customisation available subject to sample requirements.

Features

- Motor-driven testing: Reduces dependence on manual cap rotation during the measurement.
- Opening and closing evaluation: Supports assessment of closure torque in both operating directions.
- Peak hold facility: Retains the maximum registered value for review and recording.
- Backlit digital display: Provides a readable torque indication during testing.
- Selectable torque units: Helps laboratories work with the units specified in their inspection procedures.
- Tare facility: Supports zero adjustment as required by the instrument's operating procedure.
- Sample holding arrangement: Secures compatible containers during rotational testing.
- Customised fixture options: Allows assessment of holding solutions for samples that require a different gripping arrangement.



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Our Valuable Customer



Pacorr Testing Instruments Pvt. Ltd.

11/15, Site-4 Industrial Area, Sahibabad, Ghaziabad- 201010 Contact No: +91-8882149230, Email Id: info@pacorr.com