Product name:	Product code:
Child Resistant Closure Torque Tester for HDPE Bottles	CMI-IND-0541

Description

Torque tester with push-and-turn fixture that measures the opening torque of child resistant caps on HDPE bottles. Used by pharma and agrochemical packaging companies for closure qualification.

Technical specification

- Axial force fixture
- Rubber clamp

The bottle is held in a clamp while the fixture presses down and turns the cap at a set axial force. Peak opening torque and cap pop-off are recorded. The tester helps ensure caps are secure while still being accessible to adults.

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Features

- Axial load applied by spring or air cylinder
- Torque range 0 to 3 N-m
- Adjustable push down force up to 100 N
- Rubber-lined bottle clamp
- Peak hold with memory

Technical Specifications

Test standards	ASTM D3475, ISO 8317 (child-resistant packaging)
Torque range	0 to 3 N-m
Resolution	0.001 N-m
Axial force	10 to 100 N adjustable
Closure diameter	20 to 50 mm
Rotation speed	10 to 20 rpm
Accuracy	+/-1 percent
Power supply	230 V AC, 50 Hz

Standard Accessories