The force in torque management

CapStar

Cap closure torque tester for packaging applications

The CapStar cap closure torque tester is a simple and easy-to-operate digital torque tester, specifically designed for applications within the pharmaceutical, food & beverage industries, and many more.

By measuring torque, the CapStar can ensure that the correct level of tension is in place on a wide range of caps and closures such as on medicinal or cosmetics containers, drinks bottles or food jars etc.

The CapStar's clear torque readings display allows operators to guarantee production quality whilst also ensuring contents - which could be potentially harmful - remain sealed and secured.

The CapStar helps to ensure the safety of products, prevent leaks and reduce ergonomic issues associated with these products without compromising on safety, quality or freshness.

The CapStar is supplied with an adjustable component fixture and is available in 2Nm, 4Nm and 6Nm ranges.

Key Features

- Accurate digital measurement of bottle cap/closure release torque (sigma, mean and range)
- Memory for 999 date- and time-stamped readings for complete traceability
- Easy download of all measurement readings to a PC
- Built-in transducer and adjustable clamp fixture available in 2Nm, 4Nm and 6Nm sizes
- Strong, durable and robust; perfect for production, quality and testing environments
- 3-colour LEDs for torque measurement status
- Drip-proof and can either be fixed permanently or used as a portable device
- Automatically switches to highest voltage power source (mains/USB/batteries)

A simple and easy to use torque tester that ensures your packaging closures have the correct level of tension.

- For optimal power management, the CapStar automatically switches to the highest voltage power source to save battery life. If unplugged it can seamlessly continue to operate on batteries.
- Simple and recognisable function keys to switch effortlessly between measurement modes, results and readings, statistics and CapStar settings.
- The clear and sharp OLED screen display on the CapStar allows for easy-to-view readings, data and statistics.

Product Code	Range
RSCS2-0002-CRXXXX	2Nm (17.7IN/LB) CapStar
RSCS2-0004-CRXXXX	4Nm (35IN/LB) CapStar
RSCS2-0006-CRXXXX	6Nm (53IN/LB) CapStar
RSXXA-0000-CRPEUX	EU Power Adapter (lead/plug)
RSXXA-0000-CRPUSX	US Power Adapter (lead/plug)
RSXXA-0000-CRPUKX	UK Power Adapter (lead/plug)
BT-479-1-0	CapStar - Set of 4 Long Pegs

Adjustable Component Fixture

Clamp bottles or containers using the adjustable component fixture and pegs. Select a desired torque measurement mode, then tighten or release the cap/closure as required to obtain readings.

For larger or unconventional container sizes, a set of 4 longer length pegs can also be purchased separately if required.

Technical Specification

Operating Temp Range:	-20 to +50°C.
Accuracy:	± 0.25% of the rated maximum transducer capacity
Overload Capacity:	125% of stated maximum transducer capacity
Zero Stability:	± 0.01% per degree Celsius
Sealing:	IP45
Humidity:	10% to 75% non-condensing
Reading Storage:	999 readings
Torque Measurement:	Display up to 5 significant figures Sample every 20 microseconds
Frequency Response:	User selectable in 13 steps from 75Hz to 4608Hz
Power:	Two type 'C' cell non-rechargeable batteries (supplied as standard)
Input/Output:	Micro USB (2.0) for power and data export. 5V DC power port for use with mains power DC adapter (sold separately)
Construction:	High strength injection moulding. Steel base with mounting bars
Calibration:	Issued with a 12 month calibration certificate traceable to national & international standards. 12 months typical recalibration interval advised
Warranty:	12 months parts & labour warranty

For pricing, availability or further technical information about the CapStar, please contact us online at www.crane-electronics.com or alternatively, email us at sales@crane-electronics.com.

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Locations

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