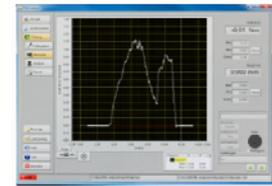


## CTT-300

**Digital Cap Torque Tester  
for testing tamper evident closures****Features**

- **Automatic detection of two peak values** » for torque testing of caps with lock ring.
- **Limit value monitoring** » with pass /fail detection for both peak values.
- **Internal memory** » for the evaluation of test series.
- **Exchangeable centering base plate** » robust, stable and protected against dripping water (IP42).

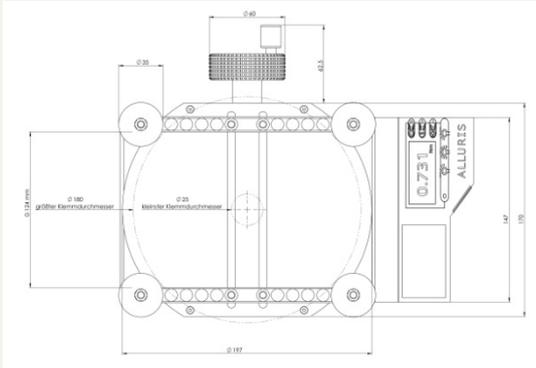
**Details**

Digital Cap Torque Tester CTT-300 series with automatic detection of two peak values are designed for quick, manual torque testing of tamper evident closures. The cap is opened manually and the maximum torque for loosening the cap and for breaking the safety ring are detected separately. For both peaks limit values can be defined, which are monitored and displayed during the measurement.

The device has an internal memory with statistic function and an USB interface. Using the software FMI\_Analyze torque curves can be visualized and limits are monitored via PC.

The housing complies with protection code IP42 and the torque sensor is protected against overload up to max.  $\pm 20$  Nm. With its compact design, the instrument is designed for desktop application. It may be screwed on table tops (maximum thickness 30 mm) to protect against slipping.

## Order Info



### Bereich Art.Nr.: Scope of Delivery

Bereich	Art.Nr.:	Scope of Delivery
Standard	2 N CTT-300B2	Centering plate, chuck pins ( H = 25 mm, D = 35 mm), FMI_Analyze software, USB-cable, Quickstart-operation manual.
	5 N CTT-300B5	
	10 N CTT-300C1	
Option	FMI-946	100-240 VAC universal-charger USB with EU-, UK und US-wall plug connector
	FMI-975SW.1	FMI_Analyze License code
	TMI-915	Protection case
	TMI-800	Calibration certificate VDI/VDE 2646 2R (CW/CCW)
	TMI-810	Calibration certificate DakS (DKD)-R 3-5 (For more accessories see <a href="http://www.alluris.de">www.alluris.de</a> )

## Spec

		CTT-300B2	CTT-300B5	CTT-300C1
<b>Measuring range</b>	M(n)	0-2 Nm	0-5 Nm	0-10 Nm
<b>Resolution</b>	Res(n)	0,002 Nm	0,005 Nm	0,01 Nm
<b>Accuracy</b>	@ 23 °C (F.S.)	+/- 0,5 % (+/- 1 digit)		
	Tk [offset]	Automatic taring (Auto-Tara)		
	Tk [relative (F.S.)]	+/- 0,02 %/K		
<b>Measuring principle</b>		Bidirectional strain gauge with high-speed µ-Prozessor		
<b>Operation modes</b>	Standard	Real time value		
	Peak	Torque peak (drag indicator function)		
	Double peak	Two consecutive torque peak values ( drag indicator function )		
	Limit values	2 separately selectable limit values for both peaks (each with upper/lower limit)		
<b>Overload</b>	Max. admissible	± 20 Nm		
	Max. display range	120 % (max. Tara 20 % of M(n))		
<b>Display</b>	Type	LCD, 5-digit, 29 mm high   Status-LED switching between red/green		
<b>Interfaces</b>	USB	USB 2.0 data communication and power supply		
	Hirose	Limits/switch signals, digital I/Os, trigger, power supply for external devices (requires optional cable)		
<b>Software</b>	FMI-Analyze	Data analysis on PC		
	COM-Bridge	Data transmission (e. g. to CAQ-Software)		
<b>Memory</b>	Single values	Up to 1000 measuring values   Statistic function		
<b>Power supply</b>		Internal solar-cell with storage capacitor   via USB		
<b>Temperature range</b>	Operation	0...40 °C		
<b>Housing</b>	Weight	ca. g		
	L x W x H	280 x 170 x 95,3 mm		
	Fixation	On tabletops up to 30 mm depth (two holes with threaded bolts and lock nuts on the bottom)		
<b>Max. clamping range</b>		Ø 25 -180 mm		
<b>Protection code</b>	(without cable)	IP42 (Protection against dripping water up to 15° tilt devices)		

Subject to change, pictures of the products shown by way of example . CTT-300\_EN (05/15)