

CTT-200

Digital Cap Torque Tester

Features

- **High accuracy with 0,5 %** » precise peak value detection with 1000 Hz.
- **Exchangeable centering base plate** » robust, stable and protected against dripping water (IP42).
- **Limit value monitoring** » with pass /fail detection for peak values.
- **Internal solar cell** » allows operating the instrument without external power supply.



Details

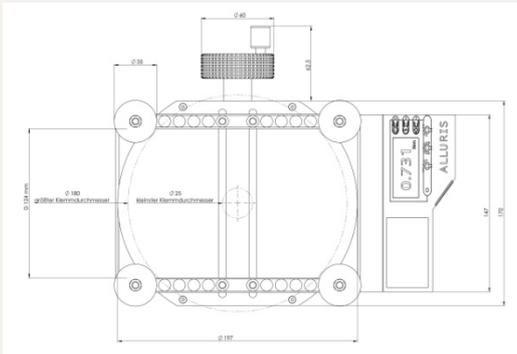


Digital Cap Torque Tester CTT-200 series are particularly suitable as test tools for fast manual torque testing of screw caps, valves, machine components or tools. Objects to be tested (25 - 180 mm diameter) are centrally positioned with retaining bolts and clamped by a contrarotating spindle mounted in the turntable. By manually rotating the test object, the force is transmitted to the torque sensor.

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. ± 20 Nm. With its compact design, the system 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

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Standard	2 N CTT-200B2	Centering plate, chuck pins (H = 25 mm, D = 35 mm), FMI_Analyze software (license required), USB-cable, Quickstart- operation manual.
	5 N CTT-200B5	
	10 N CTT-200C1	
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 www.alluris.de)

Spec

		CTT-200B2	CTT-200B5	CTT-200C1
Measuring range	M(n)	0-2 Nm	0-5 Nm	0-10 Nm
Resolution	Res(n)	0,002 Nm	0,005 Nm	0,01 Nm
Accuracy	@ 23 °C (F.S.)	+/- 0,5 % (+/- 1 digit)		
	Tk [offset]	Automatic taring (Auto-Tara)		
	Tk [relative (F.S.)]	+/- 0,02 %/K		
Measuring principle		Bidirectional strain gauge with high-speed μ -Processor		
Operation modes	Standard	Real time value		
	Peak	Torque peak (drag indicator function)		
	Limit values	Limit value monitoring with upper and lower limit		
Overload	Max. admissible	± 20 Nm		
	Max. display range	120 % (max. Tara 20 % of M(n))		
Display	Type	LCD, 5-digit, 29 mm high Status-LED switching between red/green		
Interfaces	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)		
	Software	Data analysis on PC		
	COM-Bridge	Data transmission (e. g. to CAQ-Software)		
Memory	Single values	Up to 1000 measuring values Statistic function		
Power supply		Internal solar-cell with storage capacitor via USB		
Temperature range	Operation	0...40 °C		
Housing	Weight	ca. 5000 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)		
Max. clamping range		$\varnothing 25 - 180$ mm		
Protection code	(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-200_EN (05/15)