ALLURIS
innovative Messinstrumente
für physikalische Größen

TTT-300

TorqueToolTester for manual torque wrenches and torque screwdrivers

Features

- **Quick check of torque tools** ›› for manual and motorized torque drivers.
- **Automatic capture of two peaks** ›› for testing peak at click point and the following maximum.
- **Limit value monitoring** ›› with pass/fail detection for both peak values.
- **Calibration of torque tools according to ISO 6789** ›› for manual screwdrivers and torque wrenches.

MADE IN GERMANY

Details

Digital TTT-300 series Torque Tool Testers are designed to measure the triggering torque (click point) and the second maximum value of torque tools, for fast and easy manual inspection in the workshop.

The device has an internal memory with statistic function and a USB interface. Results can be transmitted directly to PC applications (e.g. CAQ systems) with a footswitch.

The included software TTT_Certify enables to utilize the tester for calibration of torque tools according to DIN EN ISO 6789. As result you receive a calibration certificate as PDF printout according to the standard.

The torque tester is overload protected. The rugged steel case may be firmly screwed on table tops (thickness up to 30mm).

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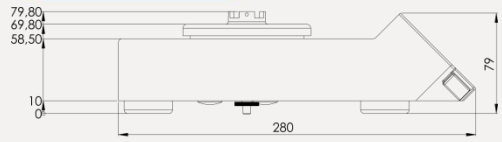
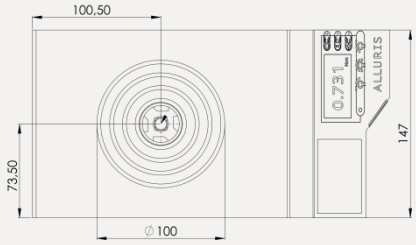
Order Info





	Range	Art.no.:	Scope of supply
Standard	2 Nm	TTT-300B2	Measuring instrument with standard 3/8“ female socket, adapter for 3/8“ and ¼“ male square and adapter for 5/16“, ¼“ and 5/32“ female hex, USB-data cabel, TTT_Certify Software, quickstart operation manual.
	5 Nm	TTT-300B5	
	10 Nm	TTT-300C1	
	25 Nm	TTT-300C2	
	50 Nm	TTT-300C5	
Option		TTT-910xx	Run down spring adapter up to 10 Nm for motor driven torque tools
		TMI-820	Calibration certificate according to DAkkS-DKD-R 3-8
		TTT-920	Horizontal test stand for manual calibration
		FMI-977.1	COM-Bridge software license key
		CTT-908	Protection case

(For more accessories see www.alluris.de)

Spec

		TTT-300B2	TTT-300B5	TTT-300C1	TTT-300C2	TTT-300C5
Measuring range	M(n)	0,2-2 Nm	0,5-5 Nm	1-10 Nm	2,5-25 Nm	5-50 Nm
Resolution	Res(n)	0,002 Nm	0,005 Nm	0,01 Nm	0,02 Nm	0,05 Nm
Accuracy	@ 23 °C (F.S.)*	+/- 0,5 % (+/- 1 digit) | Class 1 (DAkkS-DKD-R 3-8)*				
	Tk [offset]	automatic taring (Auto-Tara)				
	Tk [relative (F.S.)]	+/- 0,02 %/K				
Measuring principle		Bidirectional strain gauge with High-Speed µ-Prozessor				
Operation modes	Standard	Real time value				
	Peak (Click + Peak 2)	Torque peaks click and second maximum (with drag indicator function)				
	Quick check	Five consecutive measurings with arithmetic average				
	Limit	Two separately selectable limits (both with upper and lower limit)				
Overload	Max. admissible	± 20 Nm			± 70 Nm	
	Max. display range	120 % (max. Tara 20 % of M(n))				
Display	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	Limit/switch signals, digital I/Os, foot switch for data transmission				
Software	TTT_Certify	Transmisson of calibration data and calibration certificates				
	COM-Bridge (optional)	Data transmission (e. g. to CAQ software)				
Memory	Single values	Up to 500 measuring values | Statistics function				
Power supply		Internal solar cell with storage capacitor | via USB				
Temperature range	Operation	0...40 °C				
Housing	Weight	app. 5000 g				
	L x W x H	280 x 147 x 79 mm				
	Fixing	Table mounting for table plates up to 30 mm thickness (two threaded holes with threaded bolts and knurled nut on the underside)				
Portection code	Without cable	IP42 (Protected against dripping water for up to 15° tilt instruments)				

*When using test stand TTT-920/921

Subject to change, pictures of the products shown by way of example. TTT-300_EN 07/16)