

Kistler torque calibration

Calibration >5 kN·m up to 100 kN·m

Type 9961T...

The highest precision of measurement in your process has the highest priority for us. Basics for precise and reliable measurement results is the calibration. To ensure the measurement precision of Kistler sensors and devices lifelong and to fulfill quality assurance criteria as well as product liability acts calibration at regular intervals is recommended (the cycle varies depending on the device between 1 ... 2 years). The world-wide availability of Kistler calibration services allows a fast procedure. A calibration certificate guarantees the availability for use and the traceability on national and international standards.

Continuous investments in the expansion of the calibration laboratory cares up to nowadays for highest precision and best possible fulfillment of growing customer requirements

- Accredited according to ISO 17025
- Accredited by the German Authority of Accreditation GmbH (DAkKS)

Our calibration service D-K-15127-01-00 offers accredited calibrations for torque sensors of all manufacturers.

Best possible measuring uncertainty of the machine:

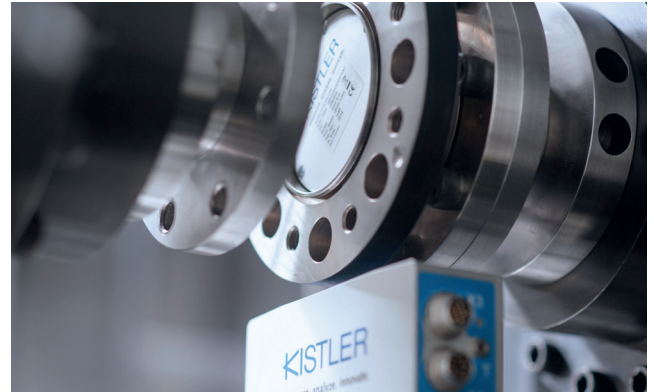
- 1 kN·m ... 20 kN·m: ±0.05% of measurement value
- >20 kN·m ... 100 kN·m: ±0.1% of measurement value

Definition of calibration terms:

WKS 1: Works calibration at 5 points right, 3 points left

WKS 2: Works calibration at 5 points right and left, and repeat series

DAkKS: Calibration per DIN 51309



Maximum dimensions for the calibration device:

Maximum Diameter Sensor:	ø550 mm
Length:	Length min. 200 mm to max. 800 mm
Max. Weight:	1,000 kg

Shaft ends for ETP Hyloc:

ETP TECHNO 110	
Shaft diameter (ød)	110 mm h7
Shaft length (L)	153 mm (ISO 2768-mH)

ETP TECHNO 180	
Shaft diameter (ød)	180 mm h7
Shaft length (L)	210 mm (ISO 2768-mH)

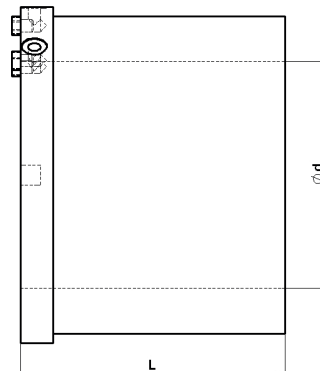


Figure 1:

Ordering key

9961	T-AC (DakKS)	R1 (Single range)	03 (3 Measuring points)	12 (>5 kN·m to 100 kN·m)
				15 (>20 kN·m to 100 kN·m)
		R2 (Dual range 1:1 and 1:5)	05 (5 Measuring points)	12 (>5 kN·m to 100 kN·m)
				15 (>20 kN·m to 100 kN·m)
		R2 (Dual range 1:1 and 1:10)	03 (3 Measuring points)	16 (>25 kN·m to 100 kN·m)
			05 (5 Measuring points)	
	T1-SC (WKS 1)	R1 (Single range)	12 (>5 kN·m to 100 kN·m)	
			15 (>20 kN·m to 100 kN·m)	
		R2 (Dual range 1:1 and 1:5)	13 (>10 kN·m to 100 kN·m)	
			15 (>20 kN·m to 100 kN·m)	
		R2 (Dual range 1:1 and 1:10)	14 (20 kN·m)	
			15 (>20 kN·m to 100 kN·m)	
	T2-SC (WKS 2)	R1 (Single range)	12 (>5 kN·m to 100 kN·m)	
			15 (>20 kN·m to 100 kN·m)	
		R2 (Dual range 1:1 and 1:5)	13 (>10 kN·m to 100 kN·m)	
			15 (>20 kN·m to 100 kN·m)	
		R2 (Dual range 1:1 and 1:10)	14 (20 kN·m)	
			15 (>20 kN·m to 100 kN·m)	

003-470e-12.24

A single range sensor has only one measuring range, Mnom. A dual range sensor has a second separate measuring range which can be changed over. The sensor will then be calibrated on both ranges.

Ordering Example

DAkKS Calibration

Single Range Calibration

25 kN·m Sensor

→ 9961T-AC-R1-15

Type

9961T-AC

R1

15