CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Torque Tools Inc.
9421 FM 2920 Bldg. 2
Tomball, TX 77375

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Jason Stine, Vice President

Expiry Date: 19 September 2026

Certificate Number: AC-3309

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Torque Tools, Inc.

9421 FM 2920 Bldg. 2
Tomball, TX 77375
281-320-8677

CALIBRATION

ISO/IEC 17025 Accreditation Granted: **19 September 2024**

Certificate Number: **AC-3309** Certificate Expiry Date: **19 September 2026**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Manual Torque Wrench	(20 to 240) lbf·in (20 to 200) lbf·ft (200 to 2 000) lbf·ft	0.4% + 0.35 lbf-in 1.9% + -0.05 lbf-ft 0.089% + 3.9 lbf-ft	Comparison to AKO Torque Master Calibration System Torque Transducer TSD2011, TSD111/200 & TSD011/020
Hydraulic Torque Wrench	(100 to 9 000) lbf-ft. (4 000 to 35 000) lbf-ft.	0.5% + 5.1 lbf-ft 0.12% + 7.2 lbf-ft	Comparison to AKO Torque Master Calibration System Torque Transducer TSD10011-L, TSD40011 and Pressure Transducer TSD10KPT
Battery Torque Wrench	(75 to 1 500) lbf-ft. (175 to 3 500) lbf-ft. (175 to 3 500) lbf-ft. (350 to 6 000) lbf-ft. (350 to 6 000) lbf-ft. (900 to 11 000) lbf-ft	0.42% + 3.5 lbf-ft 0.46% + 5 lbf-ft 0.49% + 2.9 lbf-ft 0.19% + 10 lbf-ft 0.065% + 5.7 lbf-ft 0.3% + 6.8 lbf-ft	Comparison to NWT Torque Transducers RAD 1500 S/N TT00229 RAD 3500 S/N TT00224 RAD 3500 S/N TT00586 RAD 7000 S/N TT00581 RAD 7000 S/N TT00679 Smart Socket S/N S001539

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Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Electronic Torque Wrench	(75 to 1 500) lbf-ft. (175 to 3 500) lbf-ft. (175 to 3 500) lbf-ft. (350 to 6 000) lbf-ft. (350 to 6 000) lbf-ft. (900 to 11 000) lbf-ft	0.42% + 3.5 lbf-ft 0.46% + 5 lbf-ft 0.49% + 2.9 lbf-ft 0.19% + 10 lbf-ft 0.065% + 5.7 lbf-ft 0.3% + 6.8 lbf-ft	Comparison to NWT Torque Transducers RAD 1500 S/N TT00229 RAD 3500 S/N TT00224 RAD 3500 S/N TT00586 RAD 7000 S/N TT00581 RAD 7000 S/N TT00679 Smart Socket S/N SS001539
Electric Torque Wrench	(75 to 1 500) lbf-ft (175 to 3 500) lbf-ft (175 to 3 500) lbf-ft (350 to 6 000) lbf-ft (350 to 6 000) lbf-ft (900 to 11 000) lbf-ft	0.42% + 3.5 lbf-ft 0.46% + 5 lbf-ft 0.49% + 2.9 lbf-ft 0.19% + 10 lbf-ft 0.065% + 5.7 lbf-ft 0.3% + 6.8 lbf-ft	Comparison to NWT Torque Transducers RAD 1500 S/N TT00229 RAD 3500 S/N TT00224 RAD 3500 S/N TT00586 RAD 7000 S/N TT00581 RAD 7000 S/N TT00679 Smart Socket S/N SS001539
Pneumatic Torque Wrench	(75 to 1 500) lbf-ft (175 to 3 500) lbf-ft (175 to 3 500) lbf-ft (350 to 6 000) lbf-ft (350 to 6 000) lbf-ft (900 to 11 000) lbf-ft	0.42% + 3.5 lbf-ft 0.46% + 5 lbf-ft 0.49% + 2.9 lbf-ft 0.19% + 10 lbf-ft 0.065% + 5.7 lbf-ft 0.3% + 6.8 lbf-ft	Comparison to NWT Torque Transducers RAD 1500 S/N TT00229 RAD 3500 S/N TT00224 RAD 3500 S/N TT00586 RAD 7000 S/N TT00581 RAD 7000 S/N TT00679 Smart Socket S/N SS001539
Pressure Gauge	(50 to 500) psi (200 to 5 000) psi (2 000 to 20 000) psi (8 000 to 40 000) psi	0.22% + 0.02 psi 0.019% + 2.2 psi 0.058% + 4.3 psi 0.034% + 23 psi	Comparison to Additel Pressure Transducer Model ADT681-05-GP, ADT681A-05-GP5K, ADT681-10-GP & ADT681-02-GP

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Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 (k=2), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. Per centage listed as an uncertainty of the % of reading.

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