

News



MANNER[®]
SENSORTELEMETRIE



MANNER Sensortelemetrie Expands DAkkS Certification Portfolio for Miniature Sensors: Ultimate Precision in Torque and Torque Measurement Chain Technology

Benefit from our new accreditation!

As one of the leading providers of innovative sensor technology for contactless measurements, MANNER Sensortelemetrie has expanded its DAkkS certification portfolio. Our company's existing state-of-the-art calibration laboratory has been further accredited to meet the highest international standards. This expansion enables MANNER to offer even more internationally recognized, precise, and traceable calibrations that meet the growing demands across all industries!

The portfolio has been expanded with an additional calibration facility in the < 100 N·m range. As a result, accredited calibrations can now be performed across the entire range from 10 N·m to 500 kN·m.

The successful accreditation once again highlights MANNER's expertise and commitment to the highest, most reliable quality standards, from calibrating the smallest torque sensors to large ship flanges. This strengthens our position as one of the leading providers in torque measurement technology and torque measurement chains.

The official accreditation certificate D-K-20850-01-00 was issued on January 28, 2025, confirming that the company's calibration laboratory meets the strict requirements of the German Accreditation Body (DAkks)!

Our complete repertoire:

DAkks calibrations, factory calibrations, and special solutions –

We offer a wide range of calibration services:

DAkks calibrations according to DIN 51309 for the highest precision and traceability requirements.

Factory calibrations according to DIN EN ISO 10012 for cost-effective and fast solutions.

Special calibrations including temperature calibrations in the range of -40 °C to 160 °C. These allow a linearity deviation of < 0.05% over the entire temperature range, ensuring precise measurements even under extreme conditions.

Benefits for our customers:

- ✓ Shorter turnaround times: Fast and efficient calibration processes.
- ✓ Highest reproducibility: Precise results through cutting-edge technology.
- ✓ Comprehensive service: Calibrations for both in-house and third-party products.

Calibration ranges and associated expanded measurement uncertainties:

- ✓ Torque (DAkks calibratable):
 - Factory: < 10 N·m: 0.2%
 - DAkks: 10 N·m – 20 kN·m: 0.04%
 - DAkks: 20 kN·m – 500 kN·m: 0.1%

Force (Factory calibrations)

- ✓ 1 N – 100 kN: 0.2%

DAkks calibrations for in-house and third-party products

From the 10 N·m miniature sensor to the 500 kN·m ship flange, we can meet all customer requirements directly at our headquarters. A crane track with a load capacity of up to 4 tons enables professional and efficient handling of large sensors, including customer-specific designs.

What does this mean?

Precision for all industries

All common analog and digital output signals are supported to enable calibration of the entire measurement chain. This ensures that our customers always receive precise and traceable measurement results, regardless of the complexity of their applications.

Our calibration services meet the highest standards in industries such as automotive, energy, mechanical engineering, and aerospace. With our reliable calibrations, we cover a wide range of torque sensors, including gear shafts, drive shafts, flanges, and measuring flanges for test bench applications. We perform both initial and recalibrations.

For more information, visit our website:

<https://www.sensortelemetrie.de/dienstleistungen/kalibrierlabor-dakks-und-werkskalibrierungen/>

Or check out our YouTube channel:

<https://www.youtube.com/@mannersensortelemetrie GmbH6797>

What makes us stand out?

Our expertise! In addition to precise calibration services, we are a leading partner in research and development projects as well as demanding industrial applications in the prototype sector. Our developments set cross-industry standards and have proven to be highly resilient over the years. We also contribute to increasing the efficiency of modern drive systems – from combustion engines and industrial applications to rail transport and pioneering solutions in aviation.

At MANNER, there are no standard projects – every solution is individual, innovative, and tailored to all industries where measurements on rotating components are required.

MANNER - because it works!



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