

CALIBRATION SERVICE BY TEST-FUCHS

The key to reliable measuring and test results

WHY?

safety in test > safety in flight

- > essential requirement by aviation agencies (FAA, EASA, Austro Control...) and QA-systems (ISO 9001, ISO 9100, ISO 10012, AQAP)
- > Risk reduction (product liability) by proofing measurement reliability

HOW?

Calibration, verification, if required adjustment and certification of the metrological conformity of measuring and test devices.

- > **global:** On-site at the customer's facility or at TEST-FUCHS in-house
- > **manufacturer-independent:** products of TEST-FUCHS and manufacturers
- > **customized:** Factory (OEM) calibration/ accredited calibration

PROFILE

- > competent calibration service with exceptionally wide spectrum:
 - numerous calibratable measurands - also on-site
 - low uncertainty of measurement (high precision)
 - wide measuring ranges
- > long-term experience with calibration topics

ASSIGNMENT

- > Maintenance contract
- > Service-hour pool
- > Service on call

PLACE & CONTACT

- > Customer site
- > TEST-FUCHS headquarters
- > TEST-FUCHS service-site

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FACTORY CALIBRATION (OEM-CALIBRATION)

Simple and cost-efficient calibration

Calibration is carried out by our in-house calibration department (CQK):

- > **Requirements:** complies with all standard industrial requirements
- > **Monitoring:** ongoing by Test-Fuchs Quality-Assurance
- > **Calibration process:** according to manufacturer or customer requirements or in accordance with recognized calibration directives and norms
- > **Calibration certificate:** factory calibration certificates contain the demanded information of relevant norms (ISO 9001, ISO 9100, ISO 10012, ISO 17025, ...) required by the customer for measuring instrument monitoring, but is no accredited calibration service and therefore not covered by the EA MLA.
- > **Metrological traceability of calibration results:** calibration is carried out with standards traceable to national or international standards
- > **Experience:** more than 60 years

WE OFFER

Factory calibration (*also on-site) for the following 29 measurands



ELECTRICAL MEASURANDS (DC & NF)

Frequency*, impedance, inductivity, capacity, power*, phase angle*, voltage*, voltage-ratio*, current*, resistance*



TIME AND FREQUENCY

Rotational speed*, frequency*, time interval*



MECHANIC MEASURANDS

Acceleration*, pressure*, flowrate*, torque*, hardness, force*, mass*, volume*



THERMO-PHYSICAL MEASURANDS

Density*, humidity*, conductivity, pH-value, temperature*



DIMENSIONAL MEASURANDS

Rotary angle*, length*, roughness

ACCREDITED CALIBRATION (ISO 17025)

State-approved calibration competence

Calibration by accredited calibration laboratory (AA-0628):

- > **Requirements:** complies with the requirements of
 - EN ISO/IEC 17025 (competence of calibration and test laboratories),
 - national accreditation body (AA-accreditation Austria),
 - European accreditation organization (EA),
 - international laboratory-accreditation-cooperation (ILAC)
- > **Monitoring:**
 - ongoing monitoring by Austrian accreditation body and technical experts
 - continuous proofing of calibration competence in practice by participation in proficiency testing
- > **Calibration process:** strict application of approved calibration procedures
- > **Calibration certificate:** global acceptance (ILAC) and covered by the EA MLA (European Accreditation Multi-Lateral Agreement)
- > **Metrological traceability of calibration results:** on international system of units (SI)
- > **Experience:** more than 20 years

WE OFFER

Accredited calibration (*also on-site) for 7 measurands



ELECTRICAL MEASURANDS

Voltage*, current*, resistance*, impedance*



TIME AND FREQUENCY

Frequency*



MECHANIC MEASURANDS

Pressure: **hydraulic:** absolute pressure, positive gaugepressure* and
pneumatic: absolute pressure, positive gaugepressure



THERMO-PHYSICAL MEAS. VARIABLES

Temperature* (Oil bath)