

# Calibration, Qualification, Validation & GxP-Services

Testo Industrial Services – More service, more security.



# Calibration in our accredited laboratories

Our complete range of accredited laboratories, combined with the individual implementation of your calibration tasks, optimally supports your quality assurance requirements. Reliability, low measurement uncertainties and the expertise of our employees form the pillars of our quality promise. We perform manufacturer independent ISO/traceable calibrations as well as accredited (ISO17025) calibrations.



## Thermodynamics

Our thermodynamical laboratory for physical measurands such as temperature (-90 to 200°C) and relative humidity (10 to 95%rh / 0 to 70°C)

has some of the lowest measurement uncertainties.



#### Mechanics

The mechanical laboratory specializes in the calibration of pressure gauges, manometers and transducers, torque wrenches and drivers, precision

balances and rotational speed equipment.



#### Electrical

We calibrate electrical test equipment from standard multimeters to high end oscilloscopes and more.



#### Analytics

In the analytical laboratory, instruments for gas analysis, for measuring pH values and conductivity are calibrated.



#### Airflows

In our reference wind tunnel, we calibrate anemometers (vane or thermal) from 0.1 to 30 m/s.

## **On-site Calibration**

With our on-site team, we are at your service throughout the United Kingdom providing manufacturer independent calibration. Whether stationary systems, measuring instruments or monitoring systems – we have the necessary know-how and resources to support you in achieving shorter downtimes and higher productivity.

In addition, we offer a full mapping service to warehouses, incubators, fridges, freezers and environmental chambers.

Our accreditation certificates at www.testotis.co.uk/accreditation





# **PRIMAS – Test equipment management**

The assignment of the entire test equipment management to a service provider is a matter of trust. Each company has specific products and processes as well as special measurement requirements. With the test equipment management solution from Testo Industrial Services, you are taking the right step. Take advantage of our many years of expertise in the field of calibration and measurement technology. Thanks to our full-service solution from test equipment management, calibration of your test equipment to our pick-up and delivery service, you reduce your internal quality assurance measures and can thus concentrate on your core competencies.

#### Calibration Logistics • ISO 17025 calibration in accredited • Pick-up & Delivery service laboratories Transport boxes ISO-Calibration Transport partners · Calibration onsite · Express service Repair Calibration onsite · Calibration at manufacturers and partners Documentation Norm-compliant calibration certificates Paperless PRIMAS · Clear identification of test equipmet GMP-compliant validation documentation Organisation IT · Planning & Consulting PRIMAS online · Barcode labelling PRIMAS validated • Individual process adaptions PRIMAS mobile · Monitoring of due dates PRIMAS connect PRIMAS exchange **PRIMAS** validated The GMP-compliant test equipment management system.

The GMP-compliant test equipment management system PRIMAS Validated benefits:

- GMP-compliant test equipment management system
- · Maximum safety & integrity of your test equipment data
- · Optimised & efficient gauge management processes
- · Risk-based validation service
- · Consideration of normative requirements
- · Smooth processes in your test equipment management through combination with our calibration and logistics solutions



# **Risk-based** qualification

## GMP-compliant qualification of clean rooms, plants & utilities, transport & warehouses

In addition to validation, risk-based qualification is a central element of quality assurance in GxP-regulated industries, e.g. the pharmaceutical or medical technology industries. Quality risk management (QRM) can be used to manage and monitor all measures to control quality risks.

Testo Industrial Services supports you in your qualification projects such as clean room qualification or system qualification. We also qualify your storage and transport systems in accordance with GDP and GSP standards (Good Storage Practices and Good Distribution Practices).

From the qualification of individual devices to the qualification and validation of complex plants, GMP upgrades or new construction projects in the area of compliance, we offer you the necessary manpower, know-how and the appropriate measurement technology as required to fulfil the project.

#### Cleanrooms



Security and compliance for your cleanrooms

#### Plants & Utilities



Risk-based qualification of your process plants, supply systems and utilities

Transport & Storage



GxP services for warehouses, packaging and transport systems

#### **Risk management**



Identify and control factors influencing your process and product safety

Learn more about our qualification services www.testotis.co.uk/qualification





# **GMP-compliant** validation

Take advantage of our know-how and resources to ensure the reproducibility and effectiveness of your processes. Testo Industrial Services offers you support for individual audits to complete project coordination. We accompany you from the creation of the validation master plan to the continuous monitoring of your processes and revalidation.





Learn more about our validation services
www.testotis.co.uk/validation



## Process validation

- Support from planning to production
- Structuring of process validation against current guidelines (e.g., FDA Guidance for Industry)
- Execution of in-process and final product control
- · Accompaniment of optimization studies

## Computer and software validation

- Conception of validation projects
- · Validation of computerized systems
- Performing validation checks
- Qualification and calibration of equipment
- Advice on data integrity issues
- Creation of requirement specifications/user requirements
- Support in supplier qualification
- Review of supplier documentation
- Risk analyses according to GAMP® 5
- Creation of test plans
- Compliance support Assessments



Testo Industrial Services Ltd Stanley House, Old Brick Kiln, Monk Sherborne Road Ramsdell, Hampshire RG26 5PR United Kingdom

Phone: +44 1256 648989 E-mail: info@testotis.co.uk

www.testotis.co.uk



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