

Testing and Calibration Laboratory for gas analyzers

ABB has developed various testing and calibration methods acc. to DIN EN ISO/IEC 17025. Therefore ABB now operates the worldwide first DAkkS-accredited laboratory which can test and calibrate gas analyzers from a large number of manufacturers acc. to DIN EN ISO/IEC 17025.

General procedure of calibration

At first you place the calibration order, then send the analyzer to the calibration lab. In accordance to your order we compare your data with the recorded data and alter the measuring range if required.

Afterwards we calibrate the analyzer depending on the specific model and type-specific calibration requirements. In a final step, we provide you with a calibration certificate acc. to DIN EN ISO/IEC 17025.

**Please contact us if you have any further questions.
We will be pleased to advise you.**



Contact us

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* 14 cents/minute from German landlines,
max. 42 cents/minute from mobile network



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ABB Automation GmbH

Testing and Calibration
Laboratory for gas analyzers
Your questions and our
answers

Power and productivity
for a better world™



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Your questions – our answers

When do I need certification of my analyzers acc. to DIN EN ISO/IEC 17025?

- If your company is certified acc. to DIN EN ISO 9001
- If your company operates or sells installations abroad
- If the gas analyzers are used for quality assurance, comparative measurement or in installations subject to official monitoring (audit)
- If instruments of different manufacturers are currently used in an installation or will be in the future
- If you use gas analyzers with manufacturer certificates

How do end users and manufacturers benefit from the certified testing and calibration?

The recorded measured values are certified to an international standard. Test reports, calibration certificates and thus also measured values are internationally accepted. Furthermore, they are traceable to SI units up to a national or international standard (mol) or measurement standard due to an unbroken measuring chain.

For which companies and industrial and commercial sectors are the services of the Testing and Calibration Laboratory relevant?

- The chemical, automotive and power generation industries and their service providers
- Manufacturers of boilers, catalyst systems, engine test benches or exhaust systems
- Manufacturers of heating systems and burners and gases or gas analyzers
- Laboratories
- Authorization agencies
- State Offices for the environment and geology
- Power stations
- Testing agencies such as TÜV, DEKRA, KÜS

Your questions – our answers

Can an analyzer which has been performance-tested in Germany be used outside Germany without further ado?

No. A manufacturer certificate does not include traceability to SI units, which is why the comparability of the measured values at an international level is not provided. You have to have the instrument checked again at the new location.

Worldwide, ABB is the only company which offers an internationally accepted certificate including traceability to SI units.

With this certification you save the costs of additional testings in almost every country in the world.

Can only analyzers of ABB be tested and calibrated acc. to DIN EN ISO/IEC 17025?

The Testing and Calibration Laboratory is an independent unit within ABB and can test and calibrate gas analyzers of all manufacturers. The specification and performance of gas analyzers of other manufacturers can therefore also be compared.



Your questions – our answers

I run a measuring institute as provided for by Section 26 or Section 29 of the Federal Immission Protection Act (BImSchG). Which solution does ABB offer me to ensure that I receive my license?

The technical equipment of an installation which is subject to an official inspection (audit) must be tested and calibrated acc. to DIN EN ISO/IEC 17025. Appropriate certification will therefore be required for your next audit or the next inspection.

ABB is able to offer you these services at the testing and calibration laboratory. You can therefore pass the next audit without any problems.

