



| Calibration Services

Industry Services for Process Instrumentation



Innovative solution for the process instrumentation

Reliable measurements thanks to professional calibration services



Measuring, positioning, recording and controlling are important parameters in all industrial process. That's why process instruments need a delivery the highest levels of precisions and reliability.

Benefits

Process Instrumentations from Siemens satisfies these demands and gives you an efficient way to increase your plant's efficiency and improve your product quality.

Reliable measurements thanks to professional calibration services

“Calibration Services”

Performed in the laboratory (off-site)

Siemens offers off-site calibration services for pressure, temperature and flow meters. It doesn't matter whether the instruments were manufactured by us or by other manufacturers.

On-site Calibration Services

Siemens offers on-site calibrations for pressure and temperature measuring instruments as well as for belt scales. At least for pressure and temperature measuring instruments, it does not matter whether the instruments were manufactured by us or by other manufacturers.



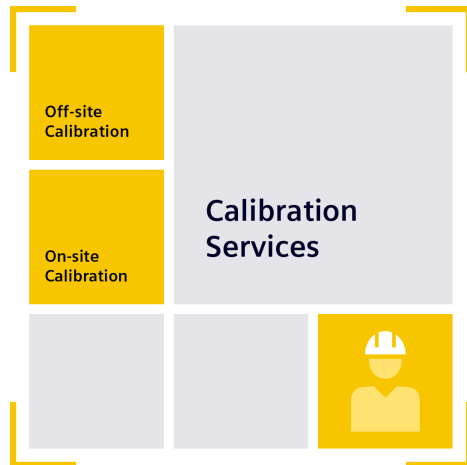
Off-site calibration

What is a calibration service about?

A calibration is the determination and documentation of deviations of measured values under specified conditions.

During the calibration of a measuring device the measured value is compared with the reference standard.

This results in a calibration report.



Reason for calibrating field devices

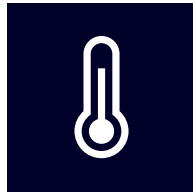
- Maximization of the production yield by avoiding wrong measurements
- Determination of the accuracy of the measuring instrument
- Conformity to standards → legal and metrological requirements
- Avoidance of cost-intensive unplanned production downtimes
- Quality control, compensation of material and manufacturing tolerances
- **Ensuring traceability and reliability**

Off-site calibration



Pressure measurement

- Standard calibrations according to ISO 17025
- Accredited calibrations according to ISO 17025 (DAkkS)
- -1 up to 700 bar
- Calibration accuracy $\geq 0.03\%$... $\leq 0.05\%$ of final value



Temperature measurement

- Standard calibrations according to ISO 17025
- Accredited calibrations according to ISO 17025 (DAkkS)
- -80 to 1,600 °C
- Calibration accuracy xxx% of final value



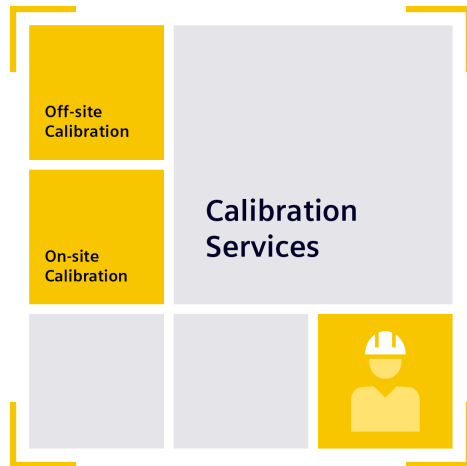
Flowmeter measurement technology

- Standard calibrations according to ISO 9001
- Accredited calibrations according to ISO 17025 (DAkkS, COFRAC)
- National calibration
- Di 1 up to DN2000
- Calibration accuracy 0.1%

On-site calibration

With an on-site calibration we provide for ...

- ... Sustainable and reliable inventory control
- ... Reduced transaction costs and the security of your assets
- ... Increase in performance and quality within your production



Calibration at ...

- **Pressure and temperature measurements** play a key role in safety (SIL) and product quality. With our on-site services, you save shipping and logistics costs during ex-situ calibration. Under suitable conditions, in-situ calibration can also save assembly costs.
- **Belt scales** play a key role with regard to custody transfer requirements, energy savings and cost accounting. With our on-site services, we can regularly provide the right level of expertise to ensure your key requirements are met.

On-site calibration



Pressure measurement

- Standard calibrations according to ISO 9001
- In a range of -0.95 ... 160 bar
- Up to 700 bar on request
- Calibration accuracy less than 0.1% of the final value



Temperature measurement

- Standard calibrations according to ISO 9001
- In a range of -20 ... 150 °C
- Up to 660° C on request
- Up to the best possible calibration accuracy of 0.1 °C¹⁾



Belt scales

- Standard calibrations
- Siemens MSI, MMI, MCS & MLC conveyor belt scales
- Transmitter type Siemens BW500/L & BW500
- Speed Sensors type Siemens TASS, RBSS & SITRANS WS300



Flow measurement technology

- Standard calibrations according to ISO 9001
- Accredited calibrations according to ISO 17025 (DAkkS, COFRAC)
- National calibration
- Di 1 up to DN2000
- Calibration accuracy 0.1%

¹ Extension factor k = 2, we recommend a test measurement uncertainty ratio (TUR) of 1:4.

Calibration Services – Your benefits



Increase your plant efficiency and product quality

Measuring, positioning, recording, and controlling are key parameters for all industrial processes. Thus, top priorities for process instruments are achieving high levels of precision and maximum reliability.



Process instrumentation from Siemens satisfies these demands and provides you with an efficient means to both increase your plant efficiency and improve your product quality.



Calibration is based on international references and standards to ensure maximum accuracy and reliability



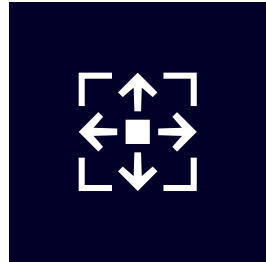
Certificate of calibration internationally recognized document which saves time and money by removing the need for further calibration checks which were required in the past by national authorities.

Benefit from Lifecycle Services for Process Instrumentation



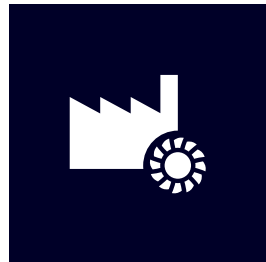
Sustainable

The fast and worldwide availability of expert know-how is guaranteed in the long term.



Modular

The modular service portfolio supports a plant-specific maintenance process and thus helps to avoid costly and unplanned downtimes.



Innovative

Through the use of industry-compatible service tools and state-of-the-art collaboration software, you benefit from a state-of-the-art service concept.

Let us know how we can support you!

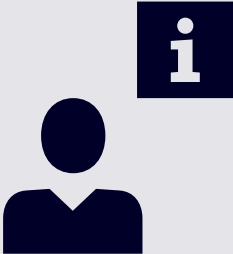


You want to know more?

Contact your local Siemens partner

[Contacts at Siemens](#)

www.siemens.com/calibration
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