

Flowmeter Calibration & Performance Validation Services



Our growing range of high performance, real-time flowmeters are designed to provide precise liquid flow rate measurement in applications including HPLC, uHPLC, LC/MS, GPC/SEC, Ion Chromatography and flow chemistry. We offer different models each optimized for a particular range of flow rates. Ensuring the ongoing precision and accuracy of these devices is crucial and therefore calibration of our flowmeters deserves special attention.

TESTA Analytical undertakes that all its flowmeter units are delivered to customers calibrated in pure water. In addition, 4 supplementary indicative calibration factors are factory set to cover the most common eluents utilized in liquid chromatography techniques such as HPLC.

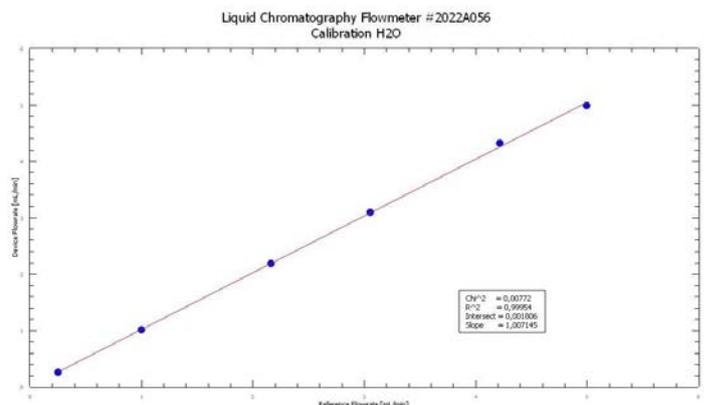
Consistent high accuracy, however, is only achieved if the device is calibrated with the particular solvent or solvent mixture used in your planned application. The calibration itself, therefore becomes crucial and needs to be performed observing strict rules of operation.

In regulated industries such as cosmetics, food and pharmaceuticals, often periodic validation of results obtained with a flowmeter might be mandatory. Such validation methodologies typically comprise comparison of results generated in a controlled environment with the original specification of manufacturing and then to confirm that accuracy and precision are within specification.

In both cases, calibration and validation of a flowmeter involve accurate determination of its response factor for the specific eluent at different flow rates covering the full range. The result is a multipoint determination which provides the most accurate results.

To support our rapidly expanding base of customers - TESTA Analytical has invested in a high-quality calibration and validation service exclusively for users of its flowmeter products. All

calibration and validation service work will be performed at the TESTA Analytical main facilities in Teltow, Germany.





TESTA Analytical undertakes that your flowmeter validation or calibration will be performed within one week from the date the instrument is received at our facility.

What do you need to provide:

- A) Before shipping the instrument, the “Calibration/Validation Request Form” must be forwarded to us including all details. This form is available upon request from calibration.service@testa-analytical.com
- B) Upon authorization from TESTA Analytical, a Return Material Authorization (RMA) number will be issued and communicated to you. All further communications will carry this unique ID for ease of identification and to ensure traceability. Please note that an RMA will be issued for each single Flowmeter you ship to us for calibration.
- C) The flowmeter(s) for calibration or validation should then be carefully packed together with 500 mL of the solvent / solvent mixture you use in your application. Please include an MSDS for the solvent.
- D) Please also complete and include the supplied declaration that your returning flowmeter has been fully decontaminated.

What you obtain after calibration

- A) After successful completion of the validation or performance calibration, your flowmeter(s) will be shipped back. The calibration solvent supplied by you will NOT be returned.
- B) For each unit - proof of testing will be supplied together with a certificate providing full details of obtained results and methods.
- C) All records of the validation/calibration will remain stored in our secure I.T system for 10 years.

Pricing (2022)

| | |
|-----------------|-------------|
| 1 flowmeter: | Euro 400,00 |
| 2–5 flowmeters: | Euro 360,00 |
| >5 flowmeters: | Euro 320,00 |

TESTA Analytical Solutions e.K

Sophienstraße 5, D -12203 Berlin, Germany
Tel +49 30 864 24 076
info@testa-analytical.com
www.testa-analytical.com