FH Lab
by Faure Herman

Liquid flow meter calibration under actual operating conditions with real world fluids

FH Lab

FH Lab has a long history and wide range of calibration experience beginning with our aeronautical roots. The original FH Lab started with the construction of the test benches for the **Concorde Supersonic Transport** fuel flow meters in 1971.
This facility continues to operate today calibrating flowmeters for Aerospace and Industry.

FH Lab capacity

In 2024, FH Lab will commission its newest test bench dedicated to Aeronautical applications to service the growing calibration demand of aircraft engine manufacturers.

Make your measurement "beyond all doubt"

Measuring at real conditions is far from easy but calibrating using surrogates (like water or similar) can lead to significant errors in calibration and the corresponding loss of profits. To achieve this goal, flowmeters for mass and/or volume can be calibrated at real operating conditions with actual fluids (i.e.: gasoline, jet fuel, ...) at the FH Lab calibration and test facility.

FH Lab calibrations are recognized and accepted globally thanks to our ISO17025 & ILAC certifications.

Faure Herman has been "Counting every drop" for 100 years!

Type of flow meters that can be calibrated

Turbine (flat blade and helical), coriolis, ultrasonic (single, multi-path and clamp-on), positive displacement (PD) and most other technologies.

Witness the calibration

Available upon request.

Availability

FH Lab operates around the clock without any temperature regulation restriction thanks to our temperature controlled flow loop.

- Time slots can be made available upon short notice.
- Please contact us for pricing, availablility or special requests.

People at FH Lab

Highly competent people who know flowmeters inside and out.

- Highly qualified operators with continuous training in flow metering technologies.
- Ability to recalibrate flowmeters.
- Ability to service flowmeters.

Calibration Certificate

Worldwide recognized calibration results through the ILAC/MRA. (Mutual Recognition Agreements)

- Traceability fully established to International Standards.
- Independent Calibration Laboratory accredited by COFRAC/ILAC (ISO 17025).
- Scope available on: www.cofrac.fr/en

Available fluids*

Same day multiple fluid/viscosity calibrations available.

- Water
- Gasoline
- Mineral oils
- Fuel oils
- Diesel
- Jet-Fuel
- SAF (Sustainable Aviation Fuel)

Capability

Calibration benches uncertainty meet the most stringent requirements

- Fluid viscosities [0,5 - 1000 cSt (*)]
- Flowrates [20 l/h - 4500 m3/h]
- Temperature range [10°C - 60°C]
- Nominal line sizes [1/2" - 20"]
- Uncertainties [0,05% prover] & [0,065% master meter]

Customized Work

Faure Herman specializes in developing customized solutions for difficult measurement problems. Our track record of working with some of the largest companies in the world will help us solve your problems.

References available on request.

* Higher viscosities on request

If you want to learn more about what FH Lab can offer regarding liquid flow meter calibrations please contact us at email:

support@FHLab.fr

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