

HOFFER CALIBRATION SERVICES

A2LA Accredited
ISO/IEC 17025 AND ANSI/NCSL Z540-1



Flow Meter Calibrations for:

- ◆ Process Control
- ◆ Custody Transfer
- ◆ Military/Government
- ◆ Research and Development
- ◆ Test and Measurement
- ◆ Aerospace/Automotive

We provide a comprehensive range of flow meter calibrations services for liquid, gas and cryogenic field calibrations. Hoffer's calibration laboratory carries ISO/IEC 17025 and ANSI/NCSL Z540-1 accreditation.

Calibration capabilities include:

TRANSFER FLOW STAND	PRIMARY PISTON PROVERS	CRITICAL SONIC NOZZLE	CRYOGENIC PROVER (FIELD CALIBRATION)
<ul style="list-style-type: none"> • Water • 1" to 6" flow meters • Max flow to 1525 GPM • ± 0.20% uncertainty 	<ul style="list-style-type: none"> • Solvent, oil blend to 100 cSt • 0.01 to 400 GPM • ¼" to 2½" flow meters • 0.05% uncertainty 	<ul style="list-style-type: none"> • Air @ ≈0.075 #/Ft³ • 0.03 to 200 ACFM • ± 0.30% uncertainty 	<ul style="list-style-type: none"> • LIN/LOX/LAR/CO2 • 1" to 2" flow meters • 20 to 200 GPM • ± 0.60% uncertainty (LIN/LOX/LAR) • ± 0.40% uncertainty (CO2)

Why Calibrate?

Any instrument that takes a measurement should be calibrated and this is the case with your flow meter as well. Your flow meter performance may change over time. These changes can happen when:

- ◆ Mechanical or electronics degradation over time.
- ◆ A change in the fluid being measured or in its properties.
- ◆ Over-ranging of the meter.
- ◆ Corrosion or contaminate build up in the meter.
- ◆ Environmental conditions change or environmental ratings exceeded.



Reasons you should Calibrate your flow meters:



Meet Contractual Obligations This is critical in custody transfer applications where flow meters are used to measure the product delivered and charged to the customer. Having the flow meter calibrated provides confidence that the supplier is delivering the correct amount of product and is accurately collecting the amount due.

Avoid Unplanned Downtime Planning a regular calibration schedule verifies that flow meters are performing as expected and allows for early detection of problems. Necessary maintenance can be scheduled to avoid unplanned downtime.

Compliance Scheduled calibration helps users prove meter performance and provides historical records required by a quality system or a regulatory agency.

Service:

Documentation Hoffer Calibration Services provides a detailed report with each meter calibration and maintains the calibration history of evaluations and performance. Standard twelve-point calibration with low and high points in the linear range repeated is available for all flow meter calibrations. Additional data points are available upon request.

Prompt Turnaround Quotes are provided for each meter calibration based on technical specifications provided. Standard delivery time for a 1 centistoke calibration is 8 to 10 business days; Expedited delivery for calibrations are available upon request with an expedite fee.



Request calibration services at:

www.hofferflow.com/flowmeter-calibration-services/

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The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.



Hoffer Flow Controls Quality Management System



Product Bulletin HCS-107B