FTI FLOW TECHNOLOGY™

CALIBRATION SERVICE & REPAIR SOLUTIONS

RELY ON THE FLOW CALIBRATION LEADER

Servicing flow measurement instruments to assure traceable accuracy and repeatability demands superior calibration technology. Differing meter designs, changing fluid properties and strict regulatory standards present difficult flow calibration challenges.

When it comes to calibrating your flow metering devices, rely on the industry leader — Flow Technology. We are recognized as the "Gold Standard" among flowmeter calibration, service and repair providers.

Expert Flowmeter Calibration & Repair Services

Flow Technology's National Institute of Standards and Technology (NIST)-traceable calibration lab, which includes the industry's widest array of primary standard flow calibrators, adheres to MIL STD-45662, ANSI Z 540 and ISO/IEC Guide 25 standards. We can calibrate virtually all types of flow measurement devices, including:

- Turbine
- Positive Displacement
- Variable Area (Rotameter)
- Coriolis
- Electromagnetic
- Ultrasonic
- Thermal Mass
- Target

Coriolis Flowmeters

Turbine Flowmeters

WHY CHOOSE FLOW TECHNOLOGY?

- One of the industry's best-equipped flow calibration laboratories
- 30+ years flowmeter calibration experience
- Calibration traceability to recognized industry standards
- Flexible calibration service and repair programs
- Verifiable and auditable calibration records
- Fast turnaround

Flowmeter Calibration Service & Repair

Complete Documentation With Every Calibration

Flow Technology, Inc.
4250 E. Broadway Road; Phoenix, Arizona 85040

Certificate of Calibration and Conformance
Certificate No. 26805275

Statement of Calibration and Conformance

We hereby certify that the above unit conforms to the applicable specifications as referenced in, or furnished with this purchase order and has been calibrated using standards traceable to the National Institute of Standards and Technology and through the Certificate Number listed above. Evidence of traceability is archived within the manufacturing plant and is subject to examination upon request. FTI Flow Technology, Inc.'s calibration system is in compliance with MIL-STD-45662A and ANSI/NCSL Z540-1-1994. Results apply only to the unit calibrated and shall not be reproduced, except in full, without the written approval of FTI Flow Technology, Inc.

During a calibration run, our exclusive CalWare™ calibration software retrieves and organizes all data. This software enables the computer to compile the data into a final report accurately presenting the flowmeter performance. A standard data format is normally supplied and includes a statement of traceability to NIST.

In addition, Flow Technology's web site — **www.ftimeters.com** — offers online forms allowing current customers to request calibration data for their flowmeters. Calibration application questionnaires are also available to aid new customers in selecting the best calibration for their application.

Rotameters

Knowledgeable Assistance With Fast Turnaround

Regardless of the model or make, Flow Technology can rebuild, repair and calibrate your turbine flowmeter with fast turnaround service. We routinely change bearings and replace electronic components as part of normal maintenance. Repair and calibration of other types of flowmeters can also be done quickly, subject to parts availability from the original manufacturer.

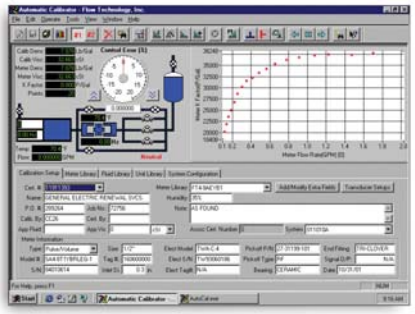
Our flexible calibration service agreement programs provide an accelerated turnaround service for calibrating all types of flowmeters and associated electronics. Other manufacturers' flowmeters and their associated electronics can also be serviced, provided parts are available. These programs require a blanket purchase order for 12 months and are contingent upon a pre-approved repair authorization.

Positive Displacement Flowmeters

A CHOICE OF CALIBRATION OPTIONS

Flowmeter Calibration At Our Laboratory

Flow Technology maintains approximately 20 different high-precision flow calibration systems at its calibration laboratory in Phoenix, Arizona. This lab, one of the largest facilities of its kind in the industry, enables us to perform calibrations for most common types of fluid flow measurement devices.



Permanent, On-site Calibration Capability

Flow Technology can help you establish an on-site flowmeter calibration program — without the high cost of ownership required to purchase and operate your own equipment. We provide and maintain precision primary standard calibration equipment and trained metrology personnel on a permanent basis at your facility.

Specifications

Liquid Calibrations

Liquid	Standard calibrations use water and stoddard solvent. Viscosity blends are offered from 0.8 to 100 centistokes. Universal Viscosity Calibrations available.
Ranges	0.001 GPM (0.0038 LPM) to 1500 GPM (5,677 LPM). *Note: Consult factory for higher flow rates and viscosities.*
Calibrator Accuracy	Better than ±0.05% of reading.
Viscosity Blends	Held within ±20% between the viscosities of 0.8 to 10 centistokes. Held within ±10% between the viscosities of 10 to 100 centistokes.
Calibration Plots	Standard with Universal Viscosity Curves. All other calibration plots available.

Gas Calibrations

Gases	Standard calibrations use air. Reynolds Number calibrations are offered for services such as oxygen, nitrogen, helium, argon and carbon dioxide. For other gases, consult factory.
Ranges	Standard Air: 0.0008 ACFM (0.0014 ACMH) to 1000 ACFM (1,699 ACMH). Reynolds Number Calibrations available.
Pressures	Standard Air and Reynolds Number equivalent calibrations in Air from 10 to 500 PSIA. *Note: For higher flow rates and pressures, consult with factory.*
Calibrator Accuracy	Better than ±0.2% of reading.
Reynolds Number	Pressure is held within ±10% between 10 and 100 PSIA. Pressure is held within ±5% between 100 and 500 PSIA.

Liquid and Gas Calibrations

Data Points	A standard 10-point calibration is offered from maximum to minimum flow range. This can be extended up to 50 points or more, if required.
Spacing	Standard calibrations include logarithmically spaced data points to attain higher resolution at the lower, non-linear portion of the flow range. Even spacing is available upon request.
Engineering Units	Standard American units are GPM (gallons per minute) for liquids, or ACFM (actual cubic feet per minute) for gases. All other engineering units are available upon request.
Certifications	ISO 9001:2000 registered. Certificates of traceability to NIST are supplied with each data sheet.
Data Sheets	Calibration data sheets are supplied with every flowmeter.

FTI FLOW TECHNOLOGY™

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