

Training Courses

Our robust offering of training courses will ensure your team receives the most up-to-date Brooks Instrument device training while promoting the use of best practices to limit system downtime. These courses provide fundamental knowledge of our device technology and software through simulated exercises using Brooks Expert Support Tool (BEST).

Course Overview

Mass Flow Controller (MFC) Fundamentals [TRN-MFC](#)

Understanding of Brooks MFC technology and capabilities to better utilize our devices in your processes and applications

MFC Calibration Using BEST Pro Software [TRN-BEST](#)

Ability to calibrate Brooks devices in-house to limit system downtime

Advanced Troubleshooting Using Brooks Diagnostic Software (BEST) [TRN-TRB](#)

Reduce system downtime by utilizing Brooks software and device diagnostics to identify and troubleshoot process issues

Each course is available on-site at your facility or virtually.



Learn More

Audience:
Metrology,
Maintenance &
Instrumentation
Engineers

Duration:
2 Hours

Class Size:
4-12 Students

Mass Flow Controller (MFC) Fundamentals TRN-MFC

This comprehensive hands-on course is designed for those responsible for the setup, configuration, calibration, and servicing of Brooks Instrument mass flow controllers (MFCs). It is also recommended for those that would benefit from deepening their knowledge of how to control, diagnose and troubleshoot their equipment and process. Courses are offered for both semiconductor and industrial MFCs.

Topics: MFC Theory of Operations | MFC Components and Flow Theory | Valve Terminology and Control Fundamentals | Sensor and Electronics Overview | Software Tools | Intro to Calibration | Maintenance and Diagnostics

MFC Calibration Using BEST Pro Software TRN-BEST

This in-depth course is designed to provide hands-on experience of how to calibrate Brooks Instrument MFCs using our BEST Pro software. Other setup, configuration, tuning and troubleshooting functions will also be reviewed.

Topics - Session 1: BEST Software Overview | Dump/Backup Files | Model Codes | As-Found/As-Left and Reports | Full Calibration Overview | Surrogate Page Creation | Customer Page Creation and Validation

Topics - Session 2: Calibrations for Different Gases | Actual Gas vs Surrogate Gas Calibration | Reconfiguration of Device and System Audits | Factors, Corrections, and Flow Limitations | Valve Tuning & PID | I/O Calibration & Verification | Diagnostics

Prerequisites: TRN-MFC AND TRN-TRB OR an understanding of MFC theory, operation, and Brooks MFCs AND an understanding of BEST software and troubleshooting techniques

Audience:
Metrology
Personnel,
Maintenance &
Instrumentation
Engineers

Duration:
4 Hours

2-2 Hour
Sessions

Class Size:
2-4 Students

Audience:
Manufacturing
Technicians,
Metrology &
Engineering
Personnel

Duration:
2 Hours

Class Size:
2-6 Students

TRN-TRB Advanced Troubleshooting Using Brooks Diagnostic Software (BEST)

This course will provide the skills to identify possible causes of issues in the gas management system and provide the knowledge on how to utilize Brooks BEST software to troubleshoot/solve these issues. This training will also include a BEST software overview and simulated troubleshooting exercises

Topics: Start-Up Best Practices | Setting and Interpreting Flow Alarms | Valve Performance and Tuning | Accuracy Validation | Comprehensive Overview of Best Software and Features

Prerequisites: TRN-MFC OR an understanding of MFC theory, operation, and Brooks MFCs

Contact Technical Support

If our training catalog does not include a topic that you would like to be trained in, please reach out to our technical support team to see if we can provide a custom training to suit your company's needs.

215.362.3798 | Brooks.TechSupport@BrooksInstrument.com

