TECHNICAL DATA

COMPASS® for molbox™ software

Key features

- Software assisting molbloc/molbox™ users in calibration.
- Advanced metrology for various gases with real-time measurement.
- Comprehensive calibration system with molbloc/molbox.
- Molbloc/molbox's performance with the versatility of a PC application.

Product overview: COMPASS® for molbox™ software

Calibration assistance software for molbloc/molbox™ users

The Fluke Calibration molbloc/molbox is a unique gas flow standard offering state-of-the-art metrology from <1 sccm to several thousand slm with a wide variety of gases and real time measurement capability. COMPASS® for molbox software works with molbloc/molbox to create a full function calibration system. The result is the optimal flow calibration system combining the outstanding performance of molbloc/molbox with the power, versatility and features of a modern PC-based application.

Features

- Usable on any PC with a 32-bit Windows OS and available COM port.
- Supports both molbox1+ and molbox RFM.
- A true Windows® application following Windows protocol for file management, menu and message formatting,

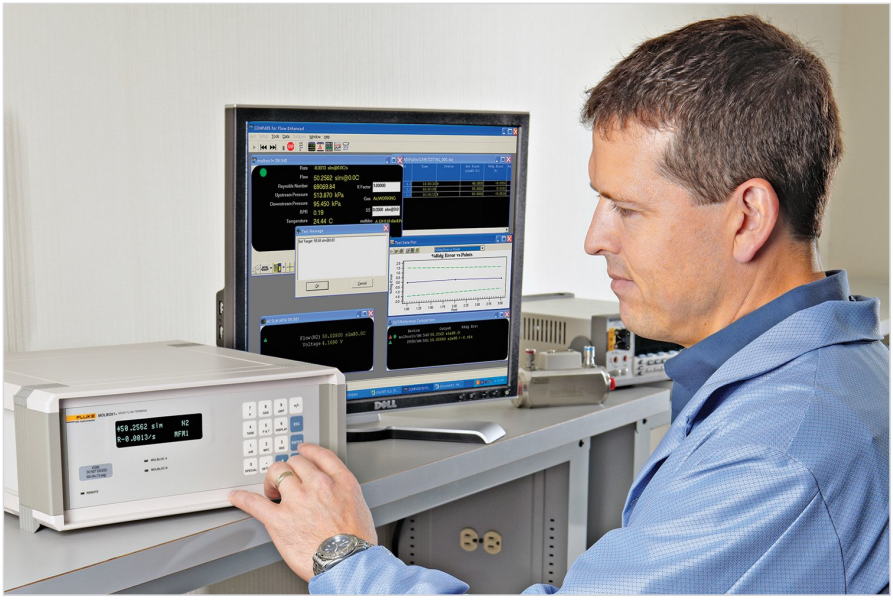
graphics and editing. Other applications can be run without interrupting test execution.

- Complete online Help facility with Tool Tips.
- Customizable user interface with scalable windows.
- Calibrate and test a wide variety of devices including: MFCs, MFMs, rotometers, turbine meters, bubble meters and others.
- Fully automated testing of both analog and digital MFCs.
- Automated flow control support for testing flow measure only devices.
- Flow corrections with automated ambient pressure and temperature entry for density dependent DUTs.
- Log extra data from the DUT during the test with user defined commands.
- Open hardware configuration allows simple integration of third party acquisition, control, and pressure and temperature measurement hardware.
- Sets up and maintains DUT database with unique DUT characteristics, test scripts and histories.
- Process gas editing tool includes complete gas conversion factors for most major MFC manufacturers and automatically calculates conversion factors for missing relationships and blends.
- Produces standard, delimited test data files which easily import into other software programs if desired.
- Test data files stored in user definable directory structure.
- 100% customizable test report generation tool with preformatted templates.
- Extensive on-board plotting function to create a variety of test data plots.

Specifications: COMPASS® for molbox™ software

Electronic interfaces supported by COMPASS software	
molbox and auxiliary device interfaces	RS-232
	IEEE-488 (National Instruments or CEC interface hardware required)
DUT interfaces	RS-232
	RS 485 (requires RS485-to-RS232 converter)
	IEEE-488 (National Instruments or CEC interface hardware required)
	DVICENET (National Instruments)
Recommended system configuration to run COMPASS for molbox software	
• PC with 32-bit Microsoft OS and available COM port • Access to CD drive to load COMPASS for molbox • molbox1 or molbox RFM based mass flow standard	

Ordering information



COMPASS for molbox
COMPASS for molbox flow calibration software

Fluke. *Keeping your world up and running.®*

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