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Технические характеристики

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bka@nt-rt.ru || https://brooks.nt-rt.ru/

MultiFlo™ Configurator

OVERVIEW

MultiFlo™ Configurator software for Windows™ operating systems provides users with a fast and simple method to reprogram the gas and range on GF100 Series, GF40 Series, GF80 Series and Celerity/Unit brand mass flow controllers without removing them from the gas line.

MultiFlo™ technology is patented by Brooks Instrument and gives process engineers a unique resource: A comprehensive gas database - built on thousands of native gas runs to establish correction functions that account for both thermal and physical differences among gases.

Our easy-to-use MultiFlo™ Configurator application has the most comprehensive gas database in the market delivering improved process gas accuracy, enabling you to use our MultiFlo™-capable MFCs across the widest range of applications.

If you are a new MultiFlo™ and FloCom database user, please download the most recent version of each software package. If your MFC has an older version of the MultiFlo™ software or FloCom database already installed on it, you must first **uninstall it**, then install the latest version of the MultiFlo™ Configurator and/or FloCom database.

Please be aware that each new version of the MultiFlo™ Configurator and the FloCom database has changes that may have copy exact implications for the GF100 Series and Celerity/Unit brand devices. If your company follows copy exact procedures it is recommended to continue using the current approved version until these changes are approved. Please do not update the database software unless you update to the most recent version of the MultiFlo™ Configurator.

Drivers

Most times drivers are automatically installed when installing the MultiFlo Configurator. However, there are a few occasions when they are not. If you experience this, download the correct driver below.

If you have any questions about the MultiFlo™ Configurator and/or FloCom database, please contact Technical Services or your local Brooks Instrument representative for assistance.

Brooks Expert Support Tool BEST

OVERVIEW

The Brooks Expert Support Tool (BEST) downloadable software is a Windows based application that provides expanded control of the products listed in the table below. This software allows the user to take advantage of servicing tasks that include setup, attribute configuration, diagnostics, troubleshooting, valve tuning and calibration (with License Key). To use the BEST software you will need a PC loaded with the latest version of BEST and one of the diagnostic cable kits listed below.

Products Supported in BEST

Model	Operation Mode	Description
GF40	MFC	Mass Flow Controllers & Meters
GF1XX	MFC	Mass Flow Controllers & Meters
GP200	MFC	Mass Flow Controllers & Meters
SLA58XX (Revision A)	MFC, MFM, PC, RT	Mass Flow Controllers & Meters, Pressure Controllers
SLA58XX (Revision B)	MFC, MFM, PC, RT	Mass Flow Controllers & Meters, Pressure Controllers
PC115	PC	Pressure Controller (Downstream or Upstream)
PC125	PC	Pressure Controller (Downstream) w/Flow Meter
*QMB Quantim™	MFC	Mass Flow Controllers & Meters
VDM300	MFC	DI Water Vapor Delivery Module

***Does not support Revision A**

BEST Diagnostic Cable Kits

For Models: GF40, SLA58XX (Revision B), PC115, PC125	
Description	**Part Number**
Basic BEST/MultiFlo Kit: USB to 2.5 mm Cable Assembly	778Z010ZZZ
BEST/MultiFlo Kit with DeviceNet Power Supply	778Z014ZZZ
BEST/MultiFlo Kit with EtherCAT, EtherNet/IP, PROFINET Power Supply	778Z013ZZZ
BEST/MulitFlo Kit with Profibus/RS485 Power Supply	778Z012ZZZ
For Models: QMB Quantim™, SLA58XX (Revision A)	
Service Tool Cable Kit: RS232 to TTL/CMOS Converter	S778D023ZZZ

To access this software you must have Windows 7 (32 or 64 bit), Windows 8 (32 or 64 bit), Windows 10 (32 or 64 bit). If your computer meets this system requirement, please download the software and follow the instructions on the install wizard.

If you have any questions, view the video below (to view in full screen mode, click the YouTube icon after pressing play), contact Technical Services or your local Brooks Instrument representative for assistance.

Brooks LabVIEW™ DLL

OVERVIEW

The Brooks LabVIEW™ DLL software enables users to set-up communication with Brooks Instrument digital mass flow controllers, pressure controllers and secondary electronics. The DLLs are to be used when creating your own application in LabVIEW.

The software will work with the following Brooks models:

- 0152, 0154
- 0254
- 48xxS
- 58xxS
- GF40 Series
- GF80 Series
- MFxxS
- SLA58xxS
- SLAMFxxS

This version of the software is V1.0.1.0 (32-bit), V1.0.2.0 (64-bit). This version has been updated to add support for SLA Series pressure controllers, and has added support for 64-bit LabVIEW™.

Note: The required firmware version of the 0254 Read Out is V10.05.13 (date syntax Vyy.mm.dd) or later.

After downloading, extract the contents of the zip file and read the instructions in the 'Instructions.doc' file.

If you have any questions, please contact Technical Services or your local Brooks Instrument representative for assistance.

0250 Readout Application

OVERVIEW

The 0250 Series Readout standalone software application is derived from the ‘Application Example’ available in the Brooks LabVIEW™ DLL set of examples. This LabVIEW™ standalone application allows you to drive the 0250 Readout without the need for any LabVIEW™ development environment.

This software will put up a window containing an overview of each channel of the 0250 Readout. The Setpoint and the Valve Override can be changed per channel. Next to using the up/down buttons and the entry field to change the Setpoint, you can also click on any part of the vertical ‘SP’ bar to change the Setpoint. Both the Setpoint (SP) and Process Value (PV) bar will give you a graphical indication of the Setpoint and Process Variable value. Since the baudrate over the serial line is only 9600 baud, updates of the Process Variable, in case of Setpoint changes will not be immediate.

In order to improve the performance you can disable unused channels. During installation, a LabVIEW™ runtime engine will be installed. After installation the application can be started using the following shortcut in the ‘All Programs’ menu:

- 'Start->All Programs->Brooks Instrument->0251/0254 Readout Application'

Note: The required firmware version of the 0250 Series Readout is V10.05.13 (date syntax Vyy.mm.dd) or later.

If you have any questions, please contact Technical Services or your local Brooks Instrument representative for assistance.

0260 Series Software

OVERVIEW

Software for the 0260 Series Power Supply, Smart Interface & Controller is a Microsoft™ Windows™ based application that provides expanded control and monitoring capabilities in laboratory and research environments for Brooks Instrument thermal mass flow meters and controllers and electronic pressure controllers with the RS485 Smart protocol.

The combination of the 0260 module and this software application provides a great turnkey solution for monitoring and controlling up to thirty (30) devices.

Note: This software requires a hardware security key.

V1.0.3.1 - Adds ability to independently control channels that are not being used as part of a recipe function.

V1.0.3.0 - Adds functionality to support the newly enhanced SLA58xxS pressure controllers.

If you have any questions, please contact Technical Services or your local Brooks Instrument representative for assistance.

Smart DDE Software

OVERVIEW

The Smart DDE is a Dynamic Data Exchange software product from Brooks Instrument. It allows you to make bi-directional links between your Windows-based applications and Brooks Instrument 4800, GF40, GF80, SLA and S-Series mass flow products as well as the 0250 Series secondary electronics devices.

The 0152 and 0154 secondary electronics devices are also supported but have been replaced by the 0250 Series and are no longer available for sale.

If you have any questions, please contact Technical Services or your local Brooks Instrument representative for assistance.

XacTorr® Communication & Diagnostics GUI

OVERVIEW

The GUI software provides an independent means of communicating with the capacitance manometer without having to interrupt tool communications. It provides monitoring and data acquisition capabilities simultaneously with capacitance manometer operation, for chamber and tool matching along with real time advanced troubleshooting.

If you have any questions, please contact Technical Services or your local Brooks Instrument representative for assistance.

Smart Control Series 0160 Software

OVERVIEW

Smart Control software is a user interface program designed to communicate with Brooks Instrument digital S-Series (e.g. 58xxS) mass flow meters and controllers, using HART protocol based commands.

Functionality includes:

- Configuration of the device
- Zero and Span I/O-adjustments
- Self-diagnostics and data logging

If you have any questions, please contact Technical Services or your local Brooks Instrument representative for assistance.

4800 Series Software

OVERVIEW

Monitors flow and performs basic functions.

Beta Software

OVERVIEW

The software or databases downloaded from this page are beta releases and have been rapidly developed based on requested features or fixes from users. For example, new gas configurations can be available in just a few days (where gas properties data are available).

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