

Quick Start Guide

Brooks® Model 0260 Secondary Electronics



Brooks® Model 0260 Secondary Electronics

Dear Customer,

The Brooks Smart Interface is a Microsoft Windows based software application that provides expanded control and monitoring capabilities in a process environment for the Brooks Thermal Mass Flow Meters and Controllers with an RS485 Smart protocol digital interface. This software is able to control and monitor up to 30 devices while each hardware module can power up to 10 devices.

Before using the tool, we recommend that you read the Help available after installation of the Brooks Smart Interface software application.

Note that all documents and software are available for download on the Documentation section of the Brooks Web Page, www.BrooksInstrument.com.

Should you require any additional information concerning Brooks products and services, please contact your local Brooks Sales and Service Office listed on the back cover of this Guide or visit www.BrooksInstrument.com

Yours Sincerely,

Brooks Instrument

Brooks® Model 0260 Secondary Electronics

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1.1 System Requirements

The Brooks Smart Interface software application can be installed on a Windows PC under the following requirements:

- Microsoft Windows XP (SP2), Vista or 7
- Two spare USB Ports, one for the security dongle which enables the user to run the Brooks Smart Interface application, one for connecting the 0260 hardware module. Up to 10 Brooks Mass Flow Meters and Controllers can be connected to one single 0260 hardware module. A third USB Port is needed if you want to connect up to 20 Brooks Mass Flow Meters and Controllers. The Smart Interface software application supports up to 30 Brooks Mass Flow Meters and Controllers

1.2 Hardware Requirements

- 0260 hardware module, capable of connecting up to 10 Brooks RS485 based Mass Flow Meter or Controllers.
- Power cord
- USB cable type A to B
- 0260 Single Drop RS485 Communication/Power cable
- USB security dongle (in case the Brooks Smart Interface software application is purchased)

The 0260 Single Drop RS485 cable can be extended to a Multi Drop RS485 cable by purchasing the following Brooks Part Number: 124Y042AAA

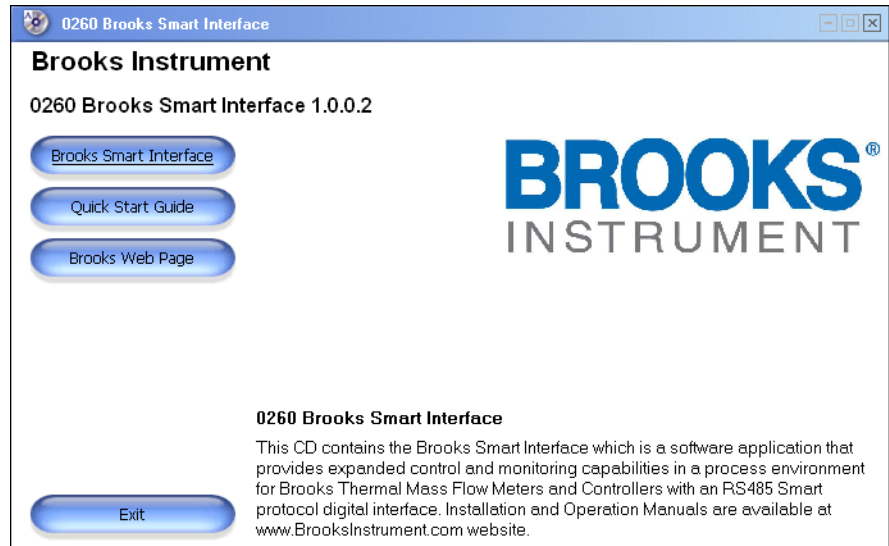
1.3 Uninstall Previous Brooks Smart Interface

Prior to installing the Brooks Smart Interface software application you first need to uninstall any previous versions of the Smart Interface and HASP SRM driver software.

1.4 Install the Brooks Smart Interface

1. Make sure that the 0260 hardware module is not connected.
2. To install the Brooks Smart Interface software application, place the Smart Interface CD-ROM into the drive. If the installation shell does not come up automatically, find the installation file 'Autorun.exe' on the CD-ROM and double-click to launch the program. The following window will appear. If you didn't purchase the CD-ROM you can download the CD-ROM contents from the Brooks website in the 'Documentation & Downloads->Software Downloads' section, www.BrooksInstrument.com

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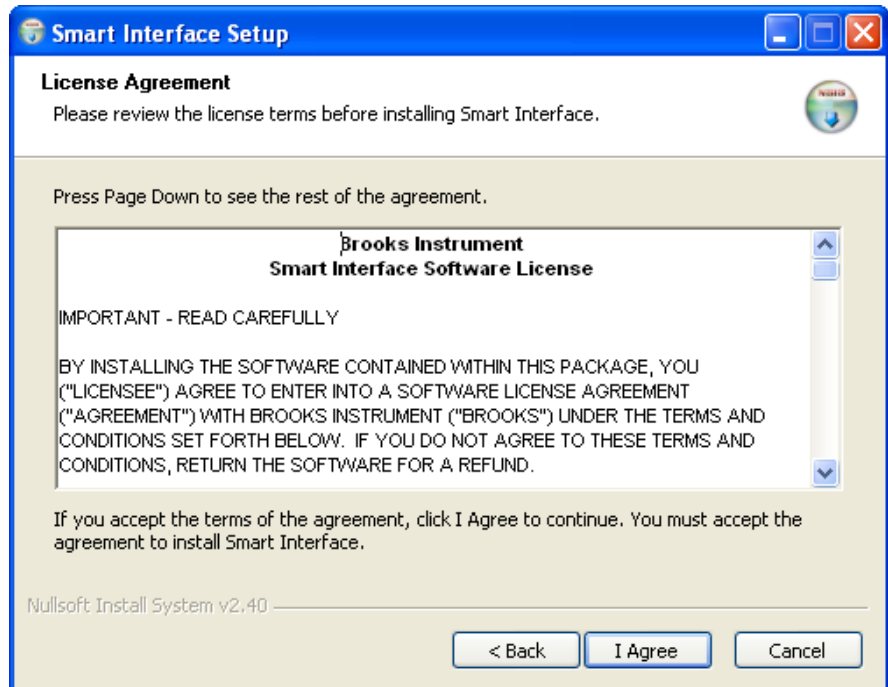


3. Make sure that any old versions of the Smart Interface applications and HASP SRM drivers have been uninstalled, see previous section of this document.
4. Next, click on the 'Brooks Smart Interface' button to install the application.
5. Click the 'Next' button on the 'Welcome' screen:

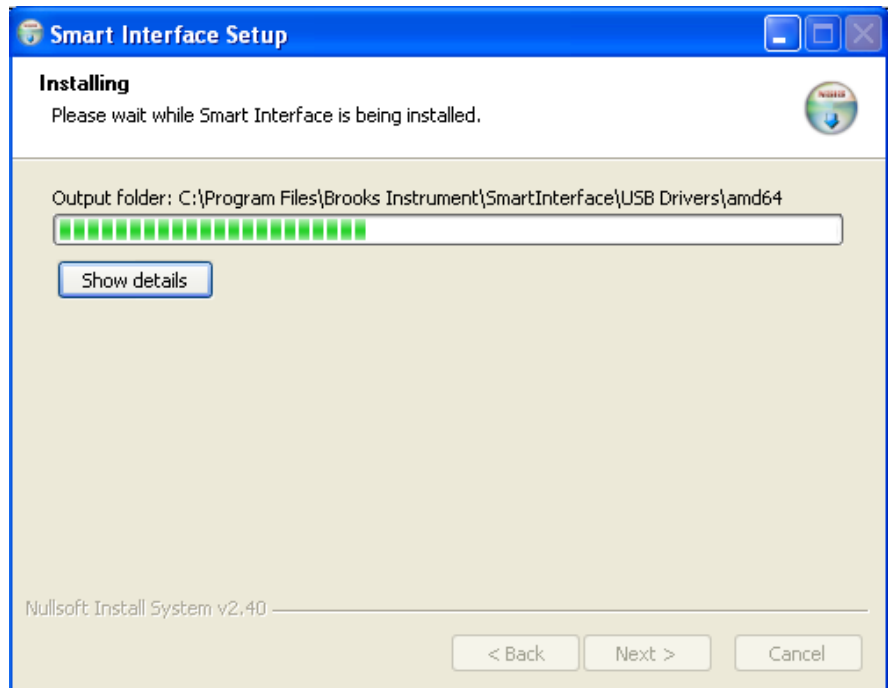


6. Click the 'I Agree' button to accept the license agreement.

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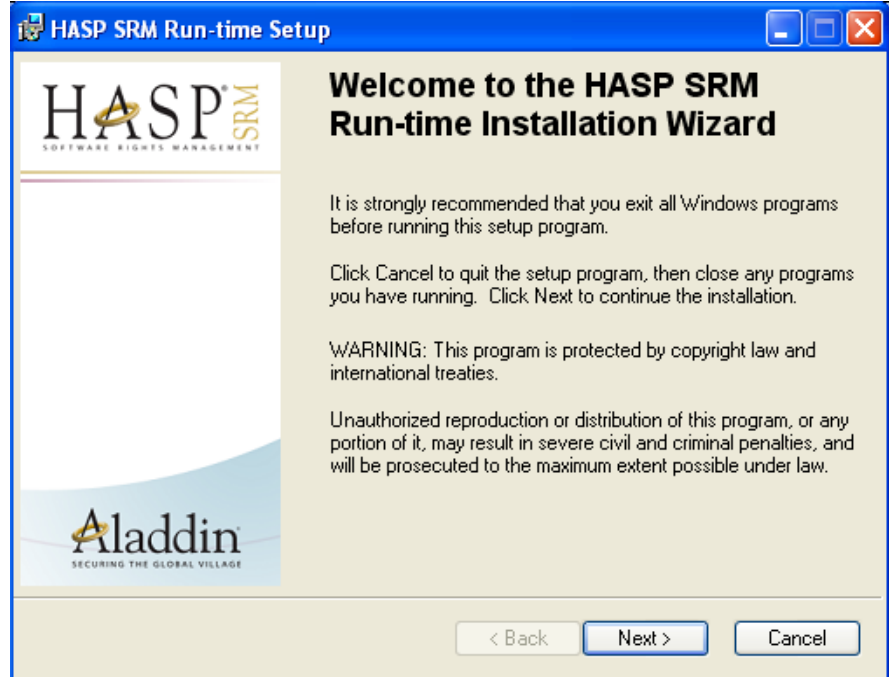


7. The Brooks Smart Interface installation is in progress.



8. Click the 'Next' button to install the HASP SRM driver, which is needed to support the security dongle.

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9. The USB to serial driver is installed silently, if you want to rerun the USB to serial driver install you can execute 'USBDriverSetup.exe' in folder '<Program Files>\Brooks Instrument\SmartInterface\USB Drivers'
10. In case you need to manually install the USB to serial driver you can find the driver installation files in:
<Program Files>\Brooks Instrument\SmartInterface\USB Drivers
11. Once you've dismissed the 'Finished' screen, the installation of the Smart Interface is complete. The Smart Interface application can be started by using the shortcut in the 'Start->All Programs' menu or the icon on the desktop shown below. Note that you need to insert the USB security dongle into a USB port in order to run the Smart Interface application.



12. Start the Smart Interface application and visit the 'Help->Quick Start Guide' to quickly get familiar with the software application setup.

1.5 Install the Brooks 0260 Hardware

1. If you didn't purchase the Brooks Smart Interface software application you still have to run the installation of this software application in order to get the installation files for the USB to serial driver, see list items 9 and 10 of the previous section for the location of the driver files and driver installation application. The Brooks Smart Interface software installation can be downloaded from the Brooks website www.BrooksInstrument.com in section 'Documentation & Downloads->Software Downloads', note that you will not be able to run this application without the security dongle.
2. Connect the RS485 communication and power cable to the 0260 hardware module. On the other end of the cable connect any Brooks Mass Flow Meters or Controllers.
3. Connect the power cord to the 0260 hardware module and insert the other end to an AC power source.
4. Connect the USB cable to the 0260 and the PC.

(See Figures 1.1 and 1.2 showing dimensions and connections.)

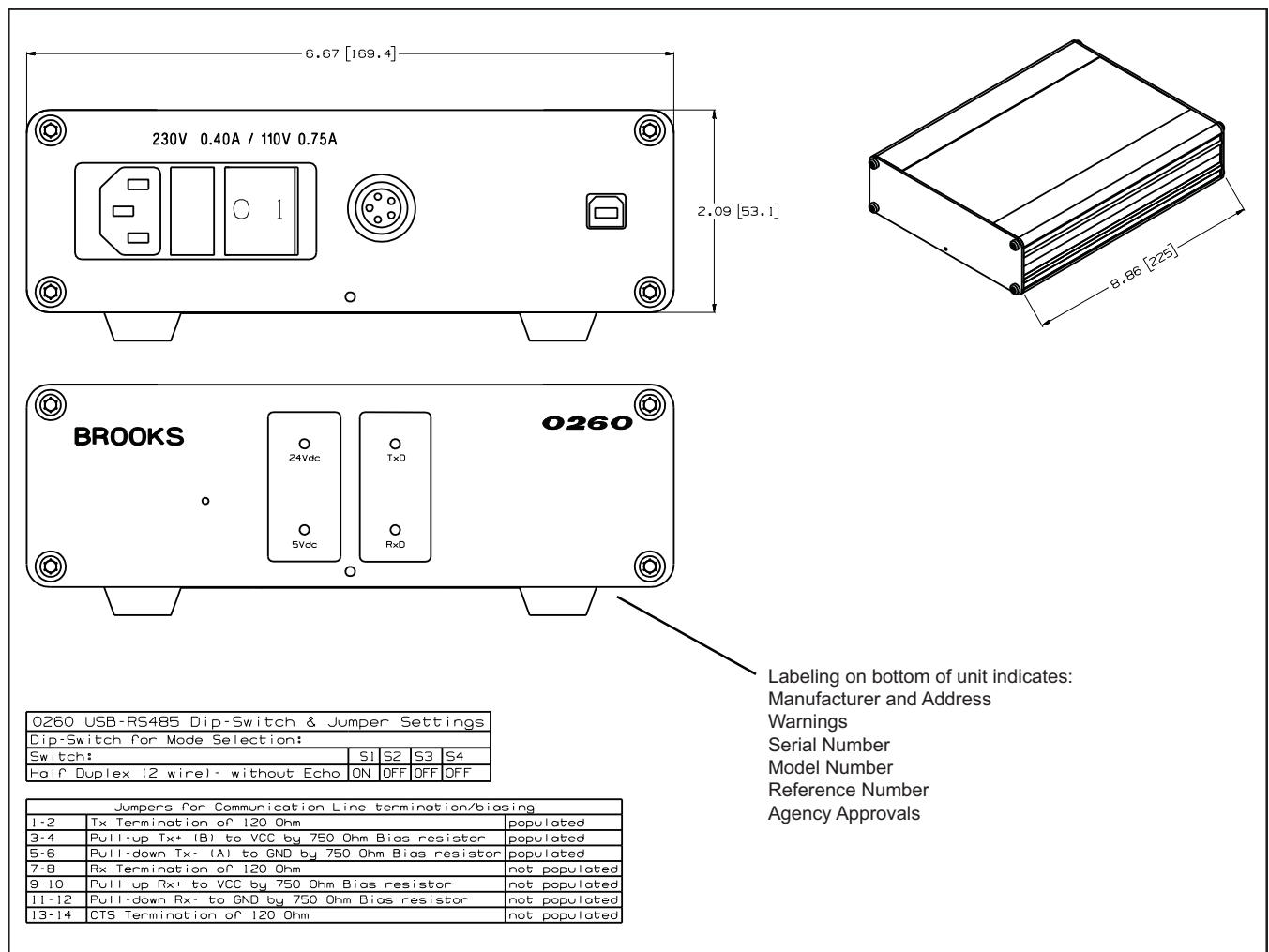


Figure 1.1 Outline Drawing for Brooks® 0260 Secondary Electronics Device

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Figure 1.2 PC with Brooks® 0260 Secondary Electronics and Devices

1.6 Control Smart Interface from Another Application

The basic functions of the Brooks Smart Interface application can be controlled by another application. For more information on this you're referred to the 'How to Control Brooks Smart Interface from a separate program' help page. The LabVIEW application described in this help page is available in '<Program Files>\Brooks Instrument\SmartInterface\Examples\Clipboard WriteRead.vi'

1.7 End User License Agreement

Brooks Instrument Smart Interface Software License

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The laws of the State of Missouri shall govern as to the interpretation, validity and effect of this AGREEMENT, and the parties agree that Missouri has jurisdiction over the parties and subject matter and is the desired venue for formal resolution of all disputes not amicably settled by discussion between the parties.

ENTIRE AGREEMENT:

This AGREEMENT constitutes the entire agreement between the parties with respect to its subject matter and supersedes all previous discussions, representations, agreements, and understandings.

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X-SW-0260-eng

Part Number: 541B157AAG

October, 2010

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BROOKS SERVICE AND SUPPORT

Brooks is committed to assuring all of our customers receive the ideal flow solution for their application, along with outstanding service and support to back it up. We operate first class repair facilities located around the world to provide rapid response and support. Each location utilizes primary standard calibration equipment to ensure accuracy and reliability for repairs and recalibration and is certified by our local Weights and Measures Authorities and traceable to the relevant International Standards.

Visit www.BrooksInstrument.com to locate the service location nearest to you.

START-UP SERVICE AND IN-SITU CALIBRATION

Brooks Instrument can provide start-up service prior to operation when required. For some process applications, where ISO-9001 Quality Certification is important, it is mandatory to verify and/or (re)calibrate the products periodically. In many cases this service can be provided under in-situ conditions, and the results will be traceable to the relevant international quality standards.




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Brooks Instrument can provide customer seminars and dedicated training to engineers, end users and maintenance persons.

Please contact your nearest sales representative for more details.

HELP DESK

In case you need technical assistance:

- Americas  1 888 554 FLOW
- Europe  +31 (0) 318 549 290
- Asia  +81 (0) 3 5633 7100

Due to Brooks Instrument's commitment to continuous improvement of our products, all specifications are subject to change without notice.

TRADEMARKS

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