FLEXI-FLOW™ *Compact*

Mass Flow & Pressure Meter/Controller
with TCS Technology
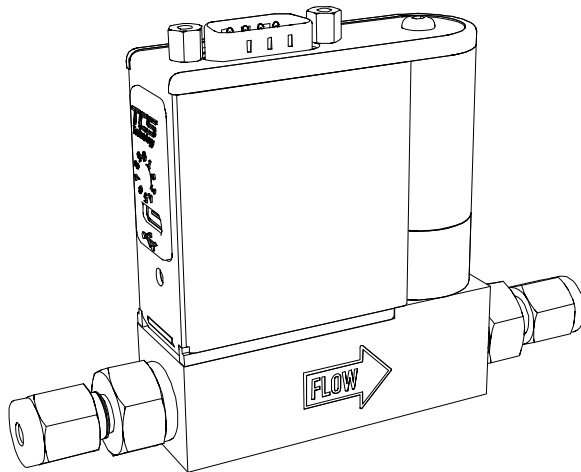
Quick Start Guide

Bronkhorst®

Complete documentation

For a comprehensive instruction manual, hook-up diagrams and other applicable documentation about the **FLEXI-FLOW™ Compact**, visit the Bronkhorst® product pages:

☛ **www.bronkhorst.com/flexi-flow** (or scan the QR code)

Intended use

The **FLEXI-FLOW™ Compact** has been developed to measure and/or control mass flow rates and pressures of clean, dry, non-corrosive and non-toxic gases in a fluid system.

The product is suited for general purpose indoor (dry) applications, like laboratories and machine enclosures, under the following constraints:

Ambient temperature   : 0 … 50 °C
Operating pressure   : 16 bar (g) max.
Power supply   : 24 Vdc

Responsibility for the use of the equipment regarding its intended use, suitability for the intended application, cleaning and compatibility of process media with the applied materials lies solely with the user.

Safety notes

- *The product(s) described in this document may only be handled by qualified personnel who are familiar with combined fluid and electrical systems and who recognize the associated hazards (e.g. (high) fluid pressure, electric shock).*
- *The user is responsible for taking the necessary safety measures to prevent damage and/or injury while working with the equipment and process media (as described in the associated Material Safety Data Sheets).*
- *The equipment and its accessories must be used in accordance with their intended use, specifications and operating instructions.*
- *Opening the equipment is not allowed.*
- *If the product is defective or otherwise does not meet your requirements, please contact your Bronkhorst representative for assistance or advice.*

Product overview
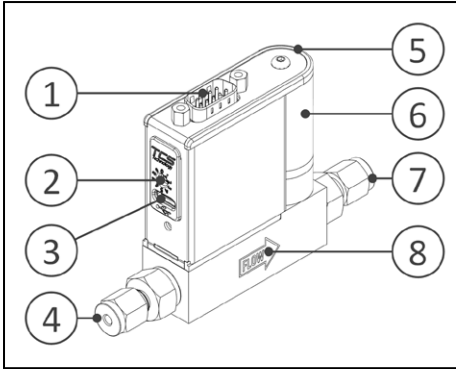
1. Power & signal connector (9-pin D-sub)
2. Address selection switch
3. Support interface (USB-C)
4. Fluid inlet
5. Status indication LED
6. Control valve
7. Fluid outlet
8. Flow direction

Installation
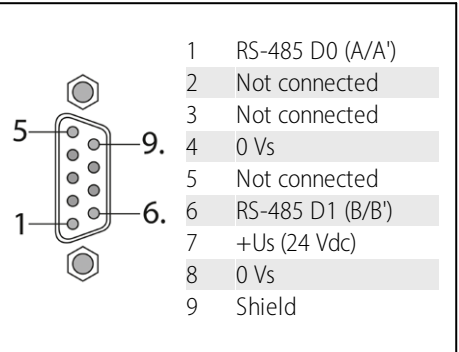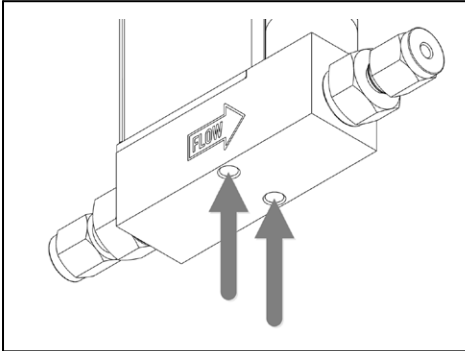
1	RS-485 D0 (A/A')
2	Not connected
3	Not connected
4	0 Vs
5	Not connected
6	RS-485 D1 (B/B')
7	+Us (24 Vdc)
8	0 Vs
9	Shield

Mounting

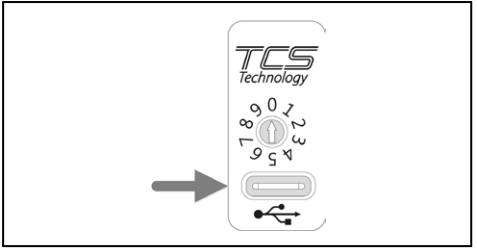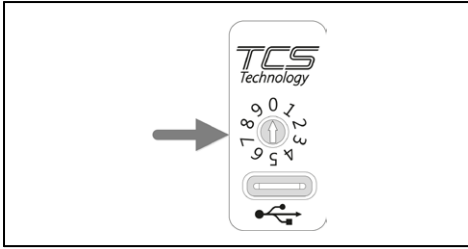Use mounting holes to attach instrument to stable underground

Electrical connection

9-pin D-sub male connector - pinning

⚠ • *Verify that the power supply has sufficient capacity to install the instrument into the network.*
  • *Always turn off electrical power before connecting equipment electrically.*

Configuration

Set instrument address
0: digital parameter setting
1-9: set manually (*overrides the digital parameter*)

Digital configuration
After installing FlowSuite, establish connection through service port (USB-C)
Configure with FlowSuite
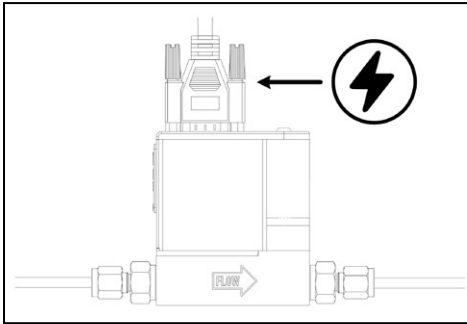
Install FlowSuite

Bronkhorst FlowSuite2
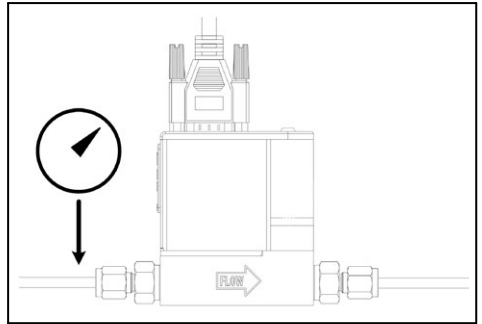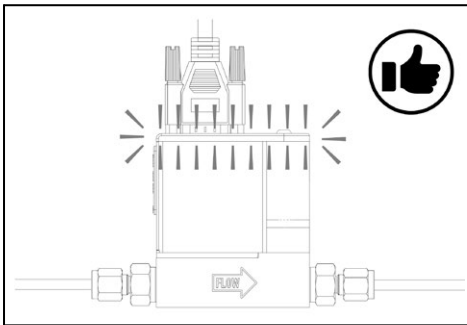

flowsuite

Powering up

- *Check leak tightness of fluid system before applying full operating pressure*
- *For reliable operation, make sure fluid stream is uncontaminated.*

1. Power up

2. Pressurize fluid system

3. Green indication LED: ready to use!

Customer Care

For current information about Bronkhorst® and worldwide service addresses, please visit our website.

For after-sales questions, help and guidance, our Customer Care department can be contacted by e-mail:
✉ aftersales@bronkhorst.com

No matter the time zone, our experts within the Customer Care department are available to answer your request immediately or take appropriate further action. Our experts can be reached at:
📞 +31 859 02 18 66

Service and returns

For current information about Bronkhorst®, worldwide service addresses and return information, visit the Service & Support section on our website:

👉 **www.bronkhorst.com/service-support** (or scan the QR code)

Disposal

If you are a customer within the European Union and wish to dispose of Bronkhorst® equipment bearing the symbol of a crossed out waste disposal bin, Bronkhorst can take care of proper dismantling, recycling and/or reuse. Just return the item(s) following the return instructions on our website; please mention in the covering letter that you are returning the product for disposal.

In countries outside the EU, disposal of electrical and electronic equipment (EEE) may be subject to local or national directives and/or legislation. If applicable, consult local or national authorities to learn how to handle EEE properly in your area.

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9001 & 14001