

E-8000

Power Supply/Readout and Control System

Quick Installation Guide Doc nr.: 9.17.077E Date: 09-03-2017



Start-up E-8000 in 6 steps



SCOPE OF THIS GUIDE

The Bronkhorst® series E-8000 is a modular Readout and Control (R/C) system for digital mass flow / pressure meters and controllers. Every model can be fitted with or without displays.

This Quick Installation Guide covers the instructions for E-8000 regarding:

- 1. Check E-8000 properties
- 2. Installation
- 4. Safety precautions 5. EMC requirements
- **3.** Power consumption
- 6. Inserting and removing cables

This Quick Installation Guide also contains a short explanation of the basic operation for the E-8000 which will help you to start-up your E-8000. More detailed information can be found in documents listed below:

Instruction Manual E-8000

(doc. nr. 9.17.076)

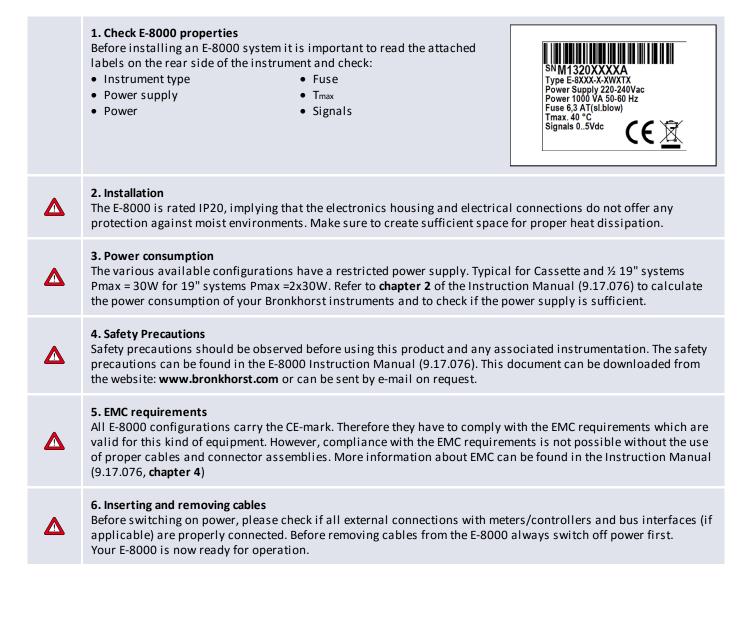
Consists information for general and advanced operation, more detailed information and instructions for troubleshooting.

Hookup diagrams

Consists information for electrical installation.



These documents can be downloaded from the website: www.bronkhorst.com/en/downloads/instruction_manuals or can be sent by e-mail on request.



Basic operation

	Buttons The buttons have the following functions:	A
+	 Enter selected menu Enter edit mode Confirm selection/changes 	B → 0.000 ▼
	 Menu selection up Select information field Next character in edit mode Up in table 	
▼	 Menu selection down Select information field Previous character in edit mode Down in table 	
೧	 Return to previous screen Undo, cancel and exit edit mode Switch content in the 'Custom readout 2' field 	
	Display The display contains the following readout areas: (A) Top line (C) Custom readout 1	
	(B) Measure readout (D) Custom readout 2	
	Select instrument To enter the 'instrument' mode, press the ▼ button until the red line appears above 'Custom readout 2' than press → to activate this field.	
	Instruments will be indicated with their node address. Press ▲ or ▼ to search for an instrument on the bus. While the message "search" is displayed, the E-8000 is searching for a valid node address and it will not show any specific instrument info until an active node is found. When an active node address is found, the E-8000 will show the corresponding USERTAG or Serial Number in the 'Top line'. It will also show the actual measure and, if applicable, the actual setpoint.	1 or 2x V 1 or 2x V V V 1 or 2x V V V 1
	Press 🖃 to select this instrument to be operated by the E-8000 or press 🗩 to return to the previous selected instrument.	e PLOU 1 All all rain O.OOOO
	When the instrument is connected to a FLOW-BUS system, it is possible to select another instrument on this bus to operate. Check 'Select instrument' in section 3.1.4 of the Instruction Manual (9.17.076) how to select the 'instrument' item.	setp. instrument 0.000
-¥:	The number of displays that have the same instrument selected must not exceed 3.	

	 Edit setpoint Setpoint can only be edited when the setpoint parameter is displayed in 'Custom readout 1' or 'Custom readout 2'. To edit the setpoint press ♥ to select the readout area in which this parameter is displayed. Press ♥ to enter the edit mode, the first digit will lighten. Use ▲ or ♥ to change the digits, press ➡ to select the next digit. After the last digit is confirmed by pressing ➡, the setpoint will be sent to the instrument. Use the ⑦ button to exit the edit mode and cancel the changes. You can change the setpoint edit mode into 'step'. This enables you to change the setpoint using fixed steps. See chapter 'Customize display info' in section 3.2.22 of the Instruction Manual (9.17.076). If the entered setpoint is ignored, check controller mode. See chapter 'Controller mode' in section 3.2.8 of the Instruction Manual (9.17.076). Reset alarm 	USERTAG BIB BIB//BIB D.0000 D.0 USERTAG BIB BIB//BIB D.0000 D.0 USERTAG BIB BIB//BIB D.0000 D.0 USERTAG BIB BIB//BIB D.0000 D.0 USERTAG BIB BIB//BIB D.0000 D.0 USERTAG BIB BIB//BIB D.0000 D.0 D.0 D.0 D.0 D.0 D.0 D.0 D.0
	 Alarm messages will be shown in the 'Top line' of the display and 'Custom readout 2' will be selected automatically. Enter the edit mode by pressing	HINIHUH ALARH AR APACAKA O.OOOO Sety. 0.000 min alarm
	removed/repaired. The button can be used to exit the edit mode and cancel the changes. If you are not intending to reset the alarm, you can press to deactivate 'Custom readout 2'. Actual alarm messages will always been shown in the 'Top line'.	
્રેટ્ટું:	Security settingsThe security settings screen allows you to define the access of the crucial menu items of the E-8000. For every item, you can choose for enable, disable or password. These settings can be assigned to the following items.• Edit setpoint• Select instrument• Reset counter• Settings menu• Reset alarm• Advanced menu item	USERTAG AIB RIRUTAIN O.OOOO Sety, counter In O.000 0.0
	To enter the security settings from the readout screen press both ▲ and ▼ for 5 seconds till 'enter password' display appears. The default password is 'abc'. Please refer to 'Security settings' in section 3.4.2 of the Instruction Manual (9.17.076) for more information.	enter password password:

