

1 Introduction

1.1 Intended Use

The sample gas probe is intended for installation into gas analysis systems in commercial applications.

Sample gas probes are among the main components in a gas conditioning system.

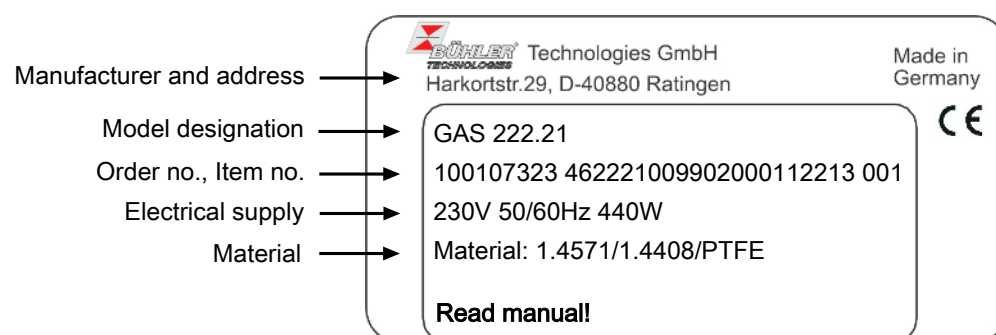
- Therefore also note the related drawing in the data sheet in the appendix.
- Before installing the device, verify the listed technical data meet the application parameters.
- Further verify all contents are complete.

Please refer to the type plate to identify your model. In addition to the job number/ID number, this also contains the article number and model designation.

Please note the specific values of the device when connecting, and the correct versions when ordering spare parts.

1.2 Type Plate

Example:



1.3 Scope of Delivery

- 1 x Sample gas probe
- 1 x Flange gasket and screws
- Product documentation
- Connection and mounting accessories (only optional)

1.4 Ordering Instructions

The item number is a code for the configuration of your unit. Please use the following model key:

4622221	X	9	9	0	X	X	X	X	X	X	X	X	X	SN	Product Characteristics			
	0														Flange			
															DIN DN65 PN6			
	2														ANSI 3"-150 lbs - without CSA C & US approval			
															Power supply sample probe			
															115 V			
															230 V			
																Calibrating gas connection		
																0	No calibrating gas connection	
																1	6 mm	
																2	6 mm + check valve	
																3	1/4"	
																4	1/4" + check valve	
																Connection heated extension		
																0	No	
																1	Yes	
																	Built-in temperature controller for heated extension ¹⁾	
																	0	No
																1	Yes	
																	Blowback with air reservoir ²⁾	
																	Air reservoir heating	
																	1	Yes
																9	No	
																	Built-in blowback control ¹⁾	
																	1	Internal controller
																9	No	
																	Compressed air valve / valve voltage information	
																	0	Manual
																	1	115 V
																	2	230 V
																	3	24 V
																	9	None (if no blowback requested)
																	Pneumatic drive for ball valve	
																	0	Manual
																	1	Monostable pressure-free open
																	2	Monostable pressure-free closed
																	Limit switch for pneumatic drive	
																	3	Bi-stable
																	1	Yes
																	9	No
																	Control valve for pneumatic drive	
																	3	3/2-way valve
																	5	5/2-way valve
																	9	No control valve
																	Glass coating of parts in contact with media	
																	SN	SilcoNert® 2000 ³⁾

¹⁾ The electronics can either be equipped with temperature controller for heated extension or blowback control.

²⁾ For flammable sample gas, always use inert gas for blowback. Probe blowback prohibited when using explosive gases!

³⁾ Extends delivery time by approx. 6 weeks.

1.5 Product Description

Probe	Description
GAS 222.21	Probe with inlet and/or outlet filter, shut-off valve and blowback connection
Accessories	Please refer to the data sheet at the end of this manual for accessories for this probe