

Sample gas probe GAS 222.20

In many applications gas analysis is the key for safe and efficient control of process flows, environmental protection and quality assurance. In extractive gas analysis the location of the gas sampling point is crucial for the reproducibility and accuracy of the analysis results.

The specific filter capacity, corrosion resistance and functional equipment requirements for the probe arise from the composition of the sample gas.

However, operating costs are also an important criterion in the selection, as the sampling points are frequently located at hard to access points in the system. Effective particle filter backwashing options and low maintenance characterise the extensive GAS probe series.

- Heated probe with downstream filter and weather hood
- The downstream filter can easily be removed by turning the handle 90°
- The probe body and the area around the screw connection for the heated sample gas line are completely insulated
- Electronic temperature controller up to 200 °C with low/ high temperature alarm and display
- For dust loads up to 2 g/m³
- This probe is not permitted for use in Ex areas
- Optional coating of parts in contact with media using SilcoNert® 2000

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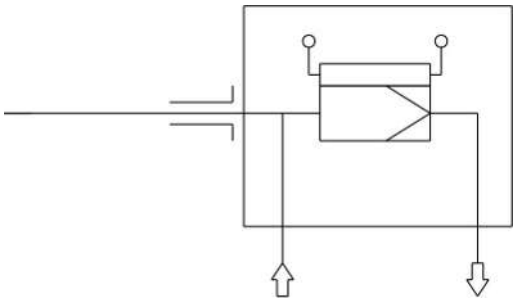
Flow chart



Technical Data

Gas Probe Technical Data	
Probe operating temperature:	max. 200 °C
Ambient temperature:	-20 to +70 °C (can be limited by optional add-ons)
Controller temperature range:	+50 to +200 °C
Low/high temperature alarm:	Alarm adjustable ±5.....30 K from setpoint, factory preset 15 K Max. switching current 1 A
Electrical data:	230 V, 2.0 A, 50/60 Hz 115 V, 3.8 A, 50/60 Hz
IP rating:	IP54
Max. operating pressure:	6 bar
Parts in contact with media:	Flange: 1.4571 Seals: Graphite/1.4404 and see filter

Ordering instructions

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

4622220	X	9	9	0	X	X	X	X	9	9	9	9	9	9	SN	Product characteristic
																Flange
	0															DIN DN65 PN6
	2															ANSI 3"-150 lbs - without CSA C & US approval
																Power supply sample probe
					1											115 V
					2											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 of heated extension
							0									No
							1									Yes
																Built-in temperature controller for heated extension
								0								No
								1								Yes
																Glass coating of parts in contact with media
															SN	SilcoNert® 2000 [1]

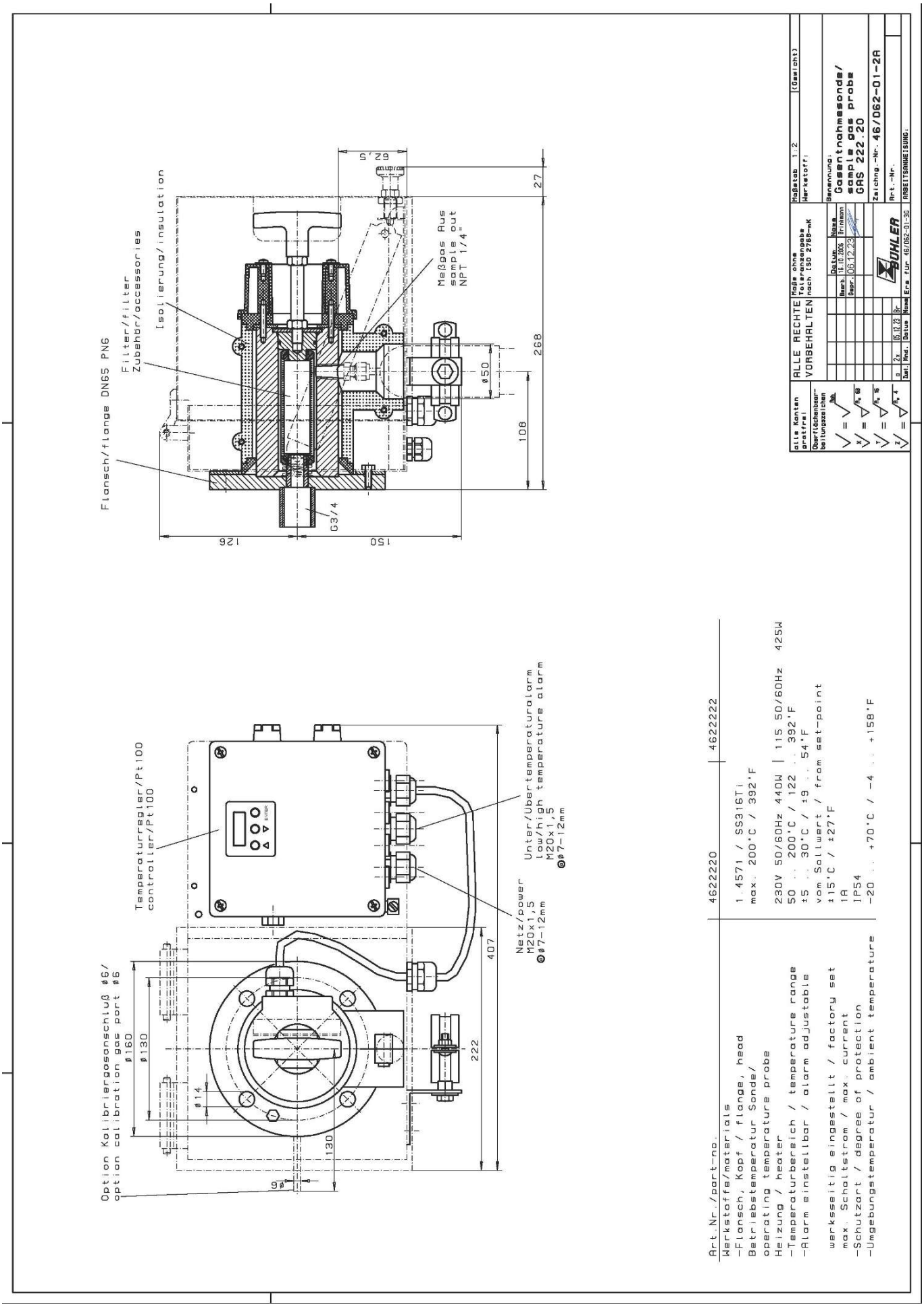
[1] Extends delivery time by approx. 6 weeks.

Options

The base unit becomes functional by adding accessories suitable for the application. Please refer to accessory data sheet no. 461099 for information.

Please also refer to data sheet no. 461000 "GAS 222 Gas Probes" for a general description.

Dimensions


Flansch/flange DN65 PN6
Filter/filter
Zubehör/accessories
Isolierung/insulation
Meßgas Aus
sample out
NPT 1/4"
G3/4
62,5
27
268
108
ø50
126
150
Temperaturregler/Pt100
controller/Pt100
Unter/Übertemperaturalarm
low/high temperature alarm
M20x1,5
ø7–12mm
Netz/power
M20x1,5
ø7–12mm
Option Kalibriergasanschluß ø6/
option calibration gas port ø6
ø160
ø130
ø14
130
222
407
9ø
Art.Nr./part-no. 4622220 4622222
Werkstoffe/materials 1.4571 / SS316Ti
-Flansch, Kopf / flange, head max. 200°C / 392°F
Betriebstemperatur Sonde/
operating temperature probe
Heizung / heater 230V 50/60Hz 440W | 115 50/60Hz 425W
-Temperaturbereich / temperature range 50 . . 200°C / 122 . . 392°F
-Alarm einstellbar / alarm adjustable ±5 . . 30°C / 19 . . 54°F
werksseitig eingestellt / factory set vom Sollwert / from set-point
max. Schaltstrom / max. current ±15°C / ±27°F
-Schutzart / degree of protection 1A
-Umgebungstemperatur / ambient temperature IP54
-20 . . +70°C / -4 . . +158°F
Alle Kanten gebrochen
Oberflächenbeschaffenheit
ALLE RECHTE VORBEHALTEN
Maße ohne Toleranzangabe nach ISO 2768-mK
Datum Name
Bearb. 15.10.2018 Brinkmann
Gepr. 06.12.23
Maßstab 1:2 (Gewicht)
Werkstoff:
Benennung:
Gasentnahmesonde/
sample gas probe
GAS 222.20
Zeichng.-Nr. 46/062-01-2A
Art.-Nr.
Ers. für 46/062-01-3G
ARBEITSRAUMEISUNG:

Dimensions (ANSI flange)

NOTICE! ANSI flange only available without CSA approval.

