



Sample gas probe GAS 222.31

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 shut-off valve, upstream filter and weather hood

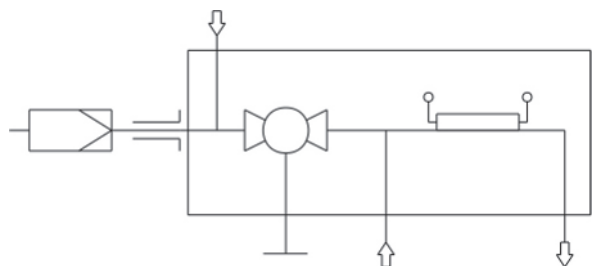
The probe body and the area around the screw connection for the heated sample gas line are completely isolated

Electronic temperature controller up to 200 °C with low/high temperature alarm and display

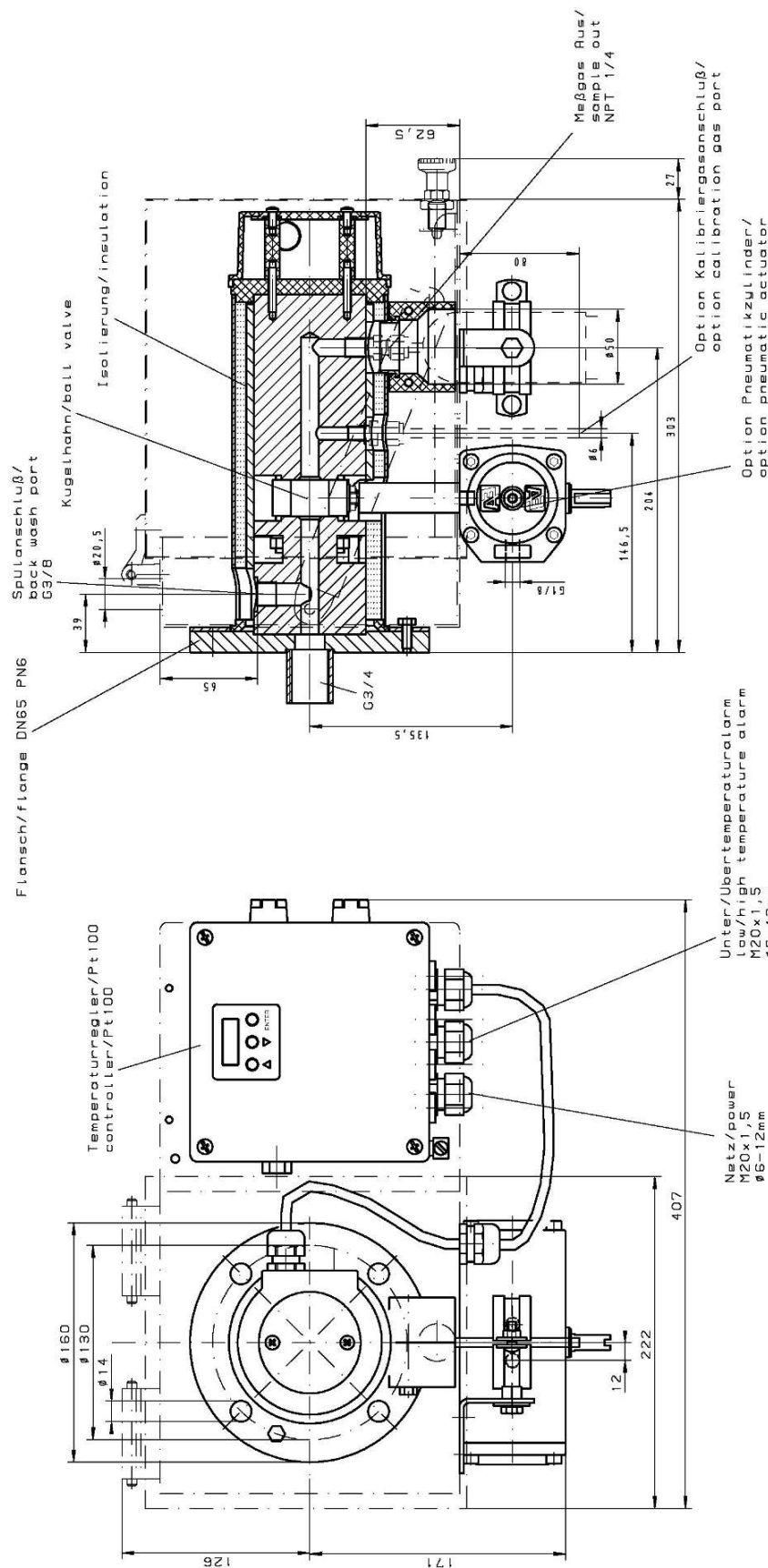
For dust loads up to 200 g/m³

This probe is not suitable for use in Ex areas



Flow chart

Technical Data
Gas Probe Technical Data

Probe operating temperature:	max. 200 °C	
Ambient temperature with accessories:	Component	Ambient temperature range
	Compressed air valve:	-10 °C < T _{amb} < +55 °C
	Pneumatic drive:	-10 °C < T _{amb} < +55 °C
	Limit switch:	-20 °C < T _{amb} < +100 °C
Regulator setting 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	
Material:	Ball valve 1.4408	
Parts in contact with media:	Flange: 1.4571 Seals: PTFE/graphite/1.4404	



Art.-Nr. / part-no.	4622231	4622232
Werkstoffe/materials		
-Flansch, Kopf / flange, head	1.4571 / S316Ti	
-Kugelhahn / ball valve	1.4404 / S316L / 1.4408 / CF-8M / PTFE	
Betriebstemperatur Sonde/ operating temperature probe	max. 200°C / 392°F	
Heizung / heater		
-Temperaturbereich / temperature range	230V 50/60Hz 440W	115 50/60Hz 425W
-Temperaturbereich / alarm adjustable	50 ... 200°C / 122 ... 392°F	
-Alarm einstellbar / alarm adjustable	15 ... 30°C / 49 ... 54°F	
werkseitig eingestellt / factory set	vom Sollwert / from set-point	
max. Schaltstrom / max. current	115°C / ±27°F	
-Schutzart / degree of protection	1A	
-Umgebungstemperatur / ambient temperature	IP54	
-Steuerdruck Pneumatikzylinder/ pilot pressure pneumatic actuator	-20 ... +70°C / -4 ... +158°F	
	6 bar	

[illegible]