

Resistance thermometer Screw in sensor with connection head Series GF-8100 & GF-8100/A

PRODUCT FEATURES

- ✓ Resistance thermometer acc. to DIN EN 60751
- ✓ High precision platinum sensor
- ✓ High precision measuring system
- ✓ Single / double measuring system
- ✓ Vibration resistant design
- ✓ High temperature resistance
- ✓ Durable
- ✓ Process and fail safe
- ✓ Temperature and long-term stable
- ✓ ATEX version
- ✓ FDA / CE compliant version

TECHNICAL DETAILS

Core values

PT50/PT100/PT500/PT1000
KTY/NTC/PTC

Protection tube diameter

8,00 mm - 12,00 mm in standard

Installation length

Min. 30 mm up to max. 3000mm

Screw thread

DIN 910 fixed screw thread
Compression fitting

Thread sizes

G1/4, G1/2, G1, M8, M10, M12, M16
Further versions on request

Process temp. at the measuring tip

Up to +600°C depending on version

Connection head versions

BK, KK, AK with or without transmitter

Optional versions

Vibration-resistant version (optional)
Measuring insert (optional)
Further versions on request

Nominal length (version GF-8000)

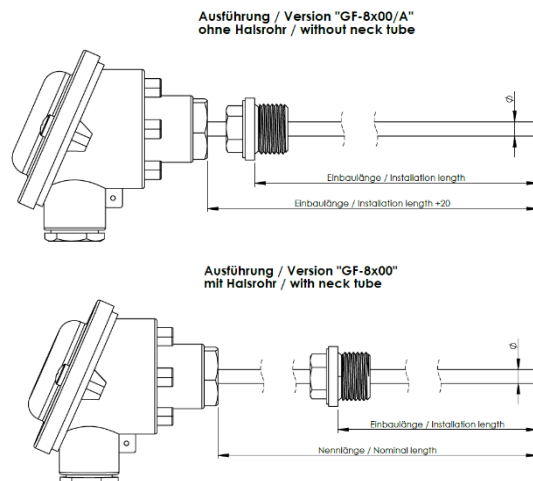
Standard +70 mm

Protection tube material

Stainless steel 1.4571
Stainless steel 1.4404
High temperature steel 1.4762

Standard version											
Version with neck tube	GF-8100										
Version without neck tube	GF-8100/A										
Atex	GF-8100EX										
Number of measuring systems											
1x		1									
2x		2									
Core values measuring system											
PT100 Class B			n/a								
PT100 Class A			K1.A								
PT100 Class AA			K1.AA								
PT50/PT500/KTY/NTC/PTC + Type			KTY								
Further versions on request											
Types of electrical circuits											
2-wire-circuit			n/a								
3-wire-circuit			3-L								
4-wire-circuit			4-L								
Further versions on request											
Diameter protection tube											
8,00 mm				8,00							
10,00 mm				10,00							
12,00 mm				12,00							
Mention in mm											
Material protection tube											
Stainless steel 1.4571					D						
Stainless steel 1.4404					A						
High temperature steel 1.4762					B						
Further versions on request											
Installation length incl. thread											
100 mm					100						
Mention in mm											
Nominal length for version GF-8000											
Standard +70 mm						XX					
Mention in mm											
Version with length of the measuring insert											
Mention in mm							XXXX				
Thread sizes											
G1/4								43			
G1/2								82			
G3/4								83			
G1								84			
M8								M8			
M10								M10			
M12								M12			
M16								M16			
M24								M24			
Version with compression fitting (KLV)								KLV+thread			
Connection head versions											
BK									BK		
KK									KK		
AK									AK		
Check connection head selection											
Transmitter option											
MU + Value									MU4-20mA		
Temperature measuring tip											
Mention in °C									400°C		
Order code (example)											
→	GF-8100	1	K1.A.	3-L.	10.	D	100.	-.	-.	BK.	400°C

MEASURES



DIGITAL DATA
2D, 3D and CAD

[to Download](#)