



Resistance thermometer Screw in sensor with connection head, graduated Series GF-8101 & GF-8101/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) Weitere
Further versions on request

Nominal length (version GF-8000)

Standard +70 mm

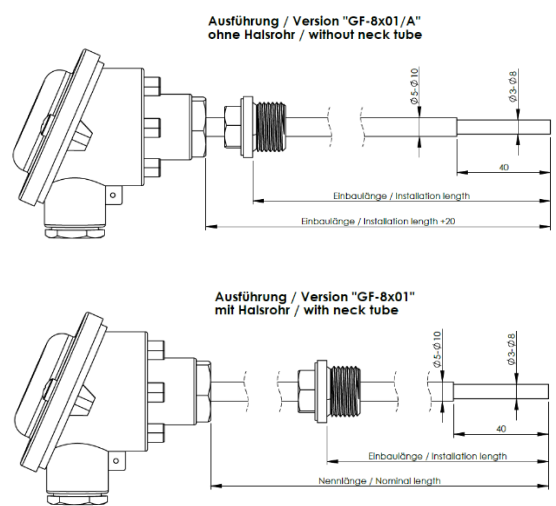
Protection tube material

Stainless steel 1.4571
Stainless steel 1.4404
High temperature steel 1.4762

Standard version									
Version with neck tube	GF-8101								
Version without neck tube	GF-8101/A								
Special version									
Number of measuring systems									
1x		1							
2x		2							
Core values measuring system									
PT100 Class B		n/a							
PT100 Class A		K1A							
PT100 Class AA		K1AA							
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									
Graduation									
Diameter x length			6x40/						
Mention in mm									
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									
G1/2								82	
G3/4								83	
G1								84	
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-8101	1	K1A.	3-L.	6x40/	8.	D	100.	-.	-.	BK.	400°C
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MEASURES



DIGITAL DATA
2D, 3D and CAD

[to Download](#)