



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

PRODUCT FEATURES

- ✓ Resistance thermometer
acc. to DIN EN 60751
- ✓ 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

3,00 mm - 12,00 mm in standard

Installation length

Min. 10 mm up to max. 2000 mm

Screw thread

DIN 910 fixed screw thread
Compression fitting
Tri-Clamp

Thread sizes

G1/4, G3/8, G1/2, M10, M12
Further versions on request

Process temp. at the measuring tip

Up to +800°C depending on version

Connection head versions

BK, KK, AK, PK with or without
transmitter
Further versions on request

Optional versions

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

Protection tube material

Stainless steel 1.4571
Stainless steel 1.4404

Standard version		GF-8100														
Special version																
Version without neck tube		/A														
Atex		/EX														
Number of measuring systems																
1x		1														
2x		2														
Core values measuring system																
PT100 Class B DIN EN 60751		n/a														
PT100 Class A DIN EN 60751		K1.A														
PT100 Class AA DIN EN 60751		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														
Diameter protection tube																
3,00 mm		3														
4,00 mm		4														
8,00 mm		8														
10,00 mm		10														
Mention in mm																
Material protection tube																
Stainless steel 1.4571		D														
Stainless steel 1.4404		A														
Further versions on request																
Installation length incl. thread																
100 mm		100														
Mention in mm																
Nominal length for version GF-8100																
150 mm		150														
Mention in mm																
Version with measuring insert																
Measuring insert		ML														
Thread sizes																
G1/4		43														
G3/8		44														
G1/2		82														
G3/4		83														
M10x1		40														
M12x1		41														
Version with compression fitting (KLV)		KLV+thread														
Further version on request																
Terminal head versions																
B-head terminal		BK														
K-head terminal		KK														
A-head terminal		AK														
P-head terminal		PK														
Further version on request																
Signal-transmitter option																
Signal-transmitter 4-20 mA		MU4-20mA														
Signal-transmitter option temperature range																
Mention in °C		0°C...400°C														
Temperature measuring tip																
Mention in °C		400°C														
Order code (example)		→ GF-8100 .1. K1.A. 3-L. 10. D 100. 150. -. 44. BK. 400°C														