

Resistance thermometer Melt- & mass temperature Series GF-7143/M

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

Process connection

½"-20UNF, M18x1, M14, M10, M8

Form of the measuring tip

Sword, cone, spherical, special form

Length of the measuring tip / measuring system

0/5/10/15/20/25 mm in standard
Lengths up to 60 mm possible

Shaft length / Installation length

76/152 mm in standard
Lengths from 36 mm to 400 mm possible

Process temp. at the measuring tip

Up to +600°C depending on version

Material of the measuring tip

Stainless steel, Hastelloy,
Special ceramics

High - quality cable types

Connection cables
All available versions

Connectivity

Connection head with LEMO built in
junction box, cable connection

Special features

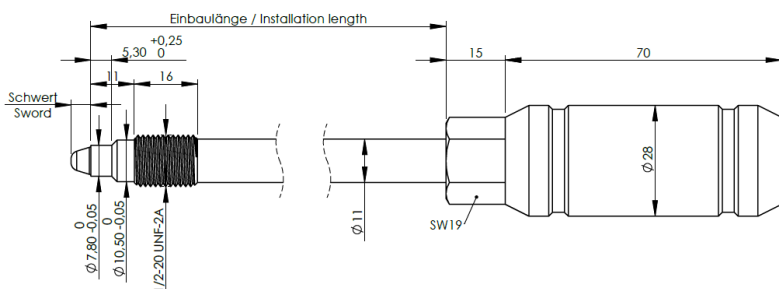
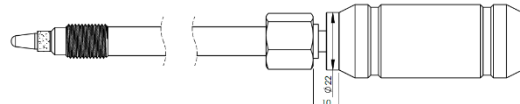
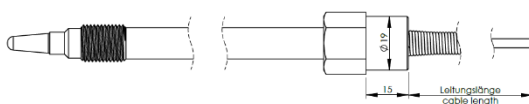
Coatings WCB, TiAlN, TiCN
Screw-in thread loosely rotatable
Customized special versions

Standard version									
	GF-7143/M								
Special version									
Full metal measuring tip version	/VA								
Measuring tip ceramic isolated	/KER								
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									
Process connection									
1/2"-20UNF-2A, sealing pin measure 5,3 mm				DD					
Special version									
Length and form of the measuring tip									
0 mm						0			
5 mm, CONE FORM						5			
10 mm, CONE FORM						10			
15 mm, CONE FORM						15			
Special version									
Installation length									
Standard 76 mm						76			
Standard 152 mm						152			
Mention in mm									
Connection									
LEMO Size. 2								K	
Cable outlet								G	
Further versions on request									
Cable length in mm									
Mention in mm								XXXX	
Cable type									
Glass fiber - Glass fiber - stainless steel braid								without mention	
Glass fiber - Glass fiber - stainless steel braid - PTFE								GL-GL-PVA-TE	
R - Glass fiber - R - Glass fiber - stainless steel braid								RGL-RGL-PVA	
Check cable types									
Connection with cable outlet									
Free Ends, 60 mm									A
Check ends									PRF
LEMO plug + size + number of poles									LST2PS
Round plug screw lock + size + number of poles									DST3PS
M 12 Round plug + number of poles									EST-M12-4P
Check plug types									
Temperature measuring tip									
Mention in °C									400°C
Order code (example) → GF-7143/M VA. 1 K1.A. 3-L. DD 5. 152. K. . LST2PS 400°C									

MEASURES

GF-7x43/M/VA - Version "G"

GF-7x43/M/KER - Version "K"



DIGITAL DATA
2D, 3D and CAD

[to Download](#)