



## 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

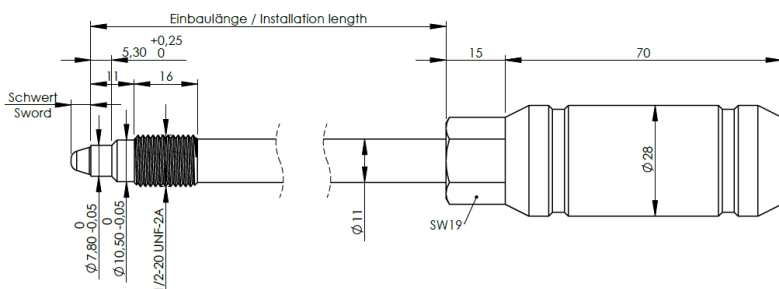
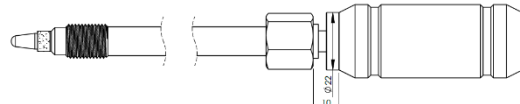
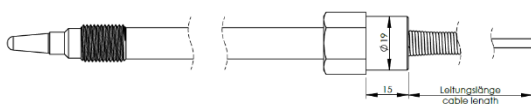
Coatings WCB, TiAlN, TiCN  
Screw-in thread loosely rotatable  
Customized special versions

<b>Standard version</b>													
	GF-7143/M												
<b>Special version</b>													
Full metal measuring tip version	/VA												
Measuring tip ceramic isolated	/KER												
<b>Number of measuring systems</b>													
1x			1										
2x			2										
<b>Core values measuring system</b>													
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													
<b>Types of electrical circuits</b>													
2-wire-circuit			n/a										
3-wire-circuit			3-L										
4-wire-circuit			4-L										
Further versions on request													
<b>Process connection</b>													
1/2"-20UNF-2A, sealing pin measure 5,3 mm				DD									
Special version													
<b>Length and form of the measuring tip</b>													
0 mm						0							
5 mm, CONE FORM						5							
10 mm, CONE FORM						10							
15 mm, CONE FORM						15							
Special version													
<b>Installation length</b>													
Standard 76 mm						76							
Standard 152 mm						152							
Mention in mm													
<b>Connection</b>													
LEMO Size. 2								K					
Cable outlet								G					
Further versions on request													
<b>Cable length in mm</b>													
Mention in mm								XXXX					
<b>Cable type</b>													
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													
<b>Connection with cable outlet</b>													
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													
<b>Temperature measuring tip</b>													
Mention in °C									400°C				
<b>Order code (example)</b>	→	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