

Description

Precision gasexpansion- thermometer, case with rim-ring.
Execution vertical according DIN EN 13190

Accuracy

Class 1 according DIN EN 13190

Temperature range

Scale ranges according to DIN EN 13190 see backpage
(special scale ranges upon request)

Case

Case with rim-ring stainless steel 1.4301 / AISI304
Ingress protection IP 65 according to IEC 529
Instrument glass window
Nominal sizes 63, 80, 100 mm

Pointer and dial

Aluminium dial varnished white / black lettering
Aluminium pointer varnished black

Process connection

Revolving external thread
Wetted parts of stainless steel 1.4571 / AISI316Ti

Standard options

- Oil- fillings for damping
- Maximum- and marking pointer

Additional options (upon request)

- Safety glass or polycarbonate window for food industry
- Adjustable Pointer
- Dual scales °C/°F, customer specific scales
- Special materials for wetted parts



Suggestions for installation of thermometers with revolving external thread

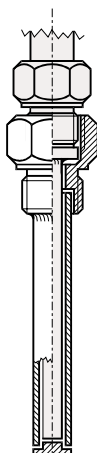
For further installation possibilities see chapter **protection tubes**

Protection tube

screw-in type,
fabricated

according to
datasheet :

12.1

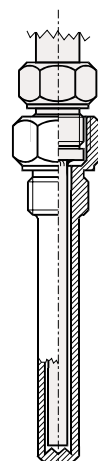


Protection tube

screw-in type,
solid drilled

according to
datasheet :

12.1

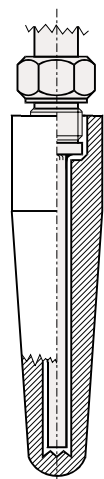


Protection tube

weld-in type,
solid drilled

according to
datasheet :

11.1



Gasexpansion- thermometer

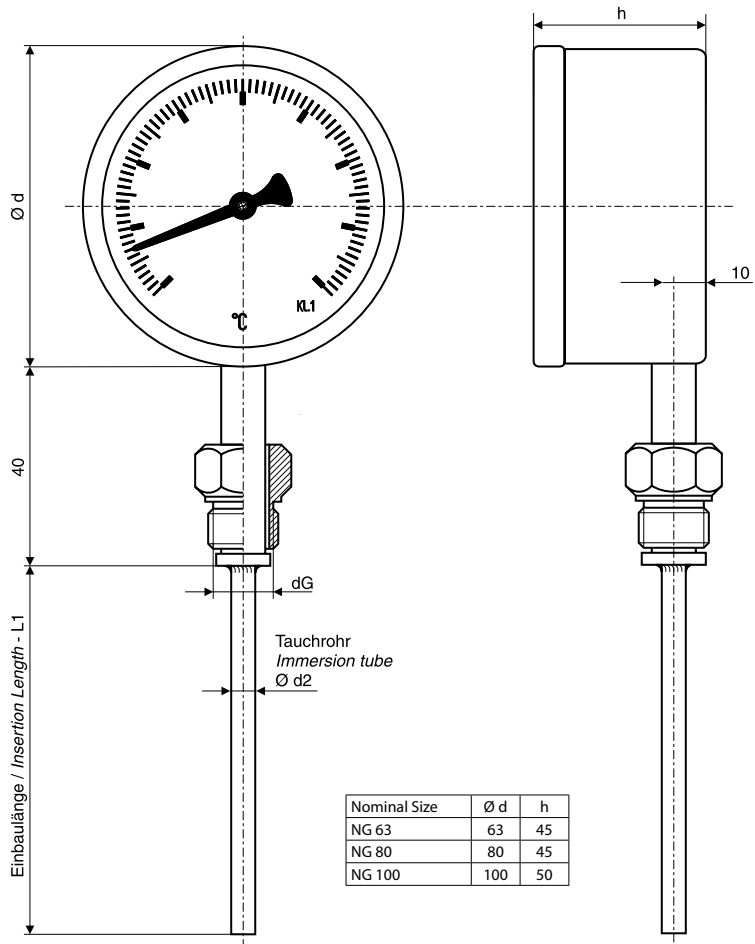
Case with rim-ring, with revolving external thread

Datasheet 47.12

Gasexpansion- thermometers

Case dimensions	
Ordering code	C
NG 63	3
NG 80	4
NG 100	5

Scale ranges	
Ordering code	F G
- 40 ... + 40 °C	4 9
- 40 ... + 60 °C	5 0
- 30 ... + 50 °C	5 2
- 20 ... + 40 °C	5 3
- 20 ... + 60 °C	5 4
0 ... + 60 °C	5 8
0 ... + 80 °C	5 9
0 ... + 100 °C	6 0
0 ... + 120 °C	6 1
0 ... + 160 °C	6 2
0 ... + 200 °C	6 3
0 ... + 250 °C	6 4
0 ... + 300 °C	6 5
0 ... + 350 °C	6 6
0 ... + 400 °C	6 7
0 ... + 500 °C	6 8
0 ... + 600 °C	6 9
Special range	9 9



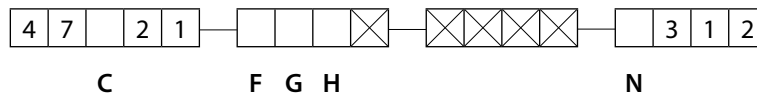
Additional equipment	
Ordering code	H
Without	0
Marking pointer	5
Maximum pointer	6
Siliconeoil filled	7
Glycerinoil filled	8

Thread		
Ordering code		N
G 1/2"	27 mm flats	1
G 3/4"	32 mm flats	2
G 1"	41 mm flats	3
M 18 x 1,5	24 mm flats	6
M 20 x 1,5	27 mm flats	7
M 24 x 1,5	32 mm flats	8
Special thread		9

Ordering-code :

For ordering please fill out all empty digits in the order code on the right.

The code numbers for all free digits you find in the charts above.



For ordering please declare in plain text :

\varnothing Stem (d_2): 6mm 8mm 10mm 12 mm
 Insertion length (L_1): mm
 Special - range (upon request): °C to °C
 Protectiontube acc. to datasheet: