

Description :

Resistance thermometer for food- and chemical- industry applications with clamp- or varivent connection and necktube according to DIN 43765.

Installation :

For the direct installation into the process.
The connection head can be turned after installation.

Measuring Insert:

Execution according DIN 43762

The insert can be replaced seperately. For single measuring inserts see datasheet 801

Measuring Element :

Pt100 according to DIN EN 60751 / IEC 751

other Measuring elements e.g. Pt1000 or Ni100 upon request

Accuracy :

Class A or B according to DIN EN 60751 / IEC 751

Also available with reduced tolerances e.g. 1/5 DIN Cl. B

Material of wetted parts

Stainless steel AISI316Ti (1.4571)

other upon request

Electrical connection:

Ceramic terminal block for 1 x Pt100 2-, 3- or 4- wire connection or 1 x Pt100 2- or 3- wire connection.

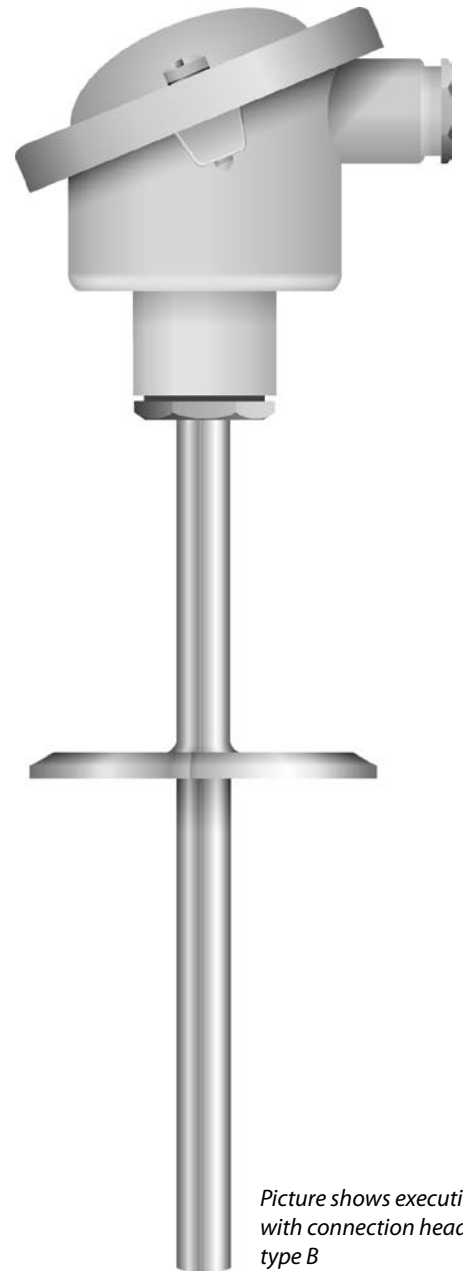
Also available with mounted head transmitter.

Maximum Temperature Range :

-50...+550 °C

Specials :

All media touching parts are available in elektro polished version upon request.



Picture shows execution with connection head type B

Resistance thermometer

With clamp or varivent connection and protection tube

Datasheet 815.2

Types with necktube

Material for tube and thread	
Ordering code	F G
Stainless steel AISI316Ti (1.4571)	0 3
Special material	9 9

Protection tube diameter (d2)	
Ordering code	H I
6mm	1 3
9mm (Standard)	5 6
11mm	6 8
15mm	7 8
Special diameter	9 9

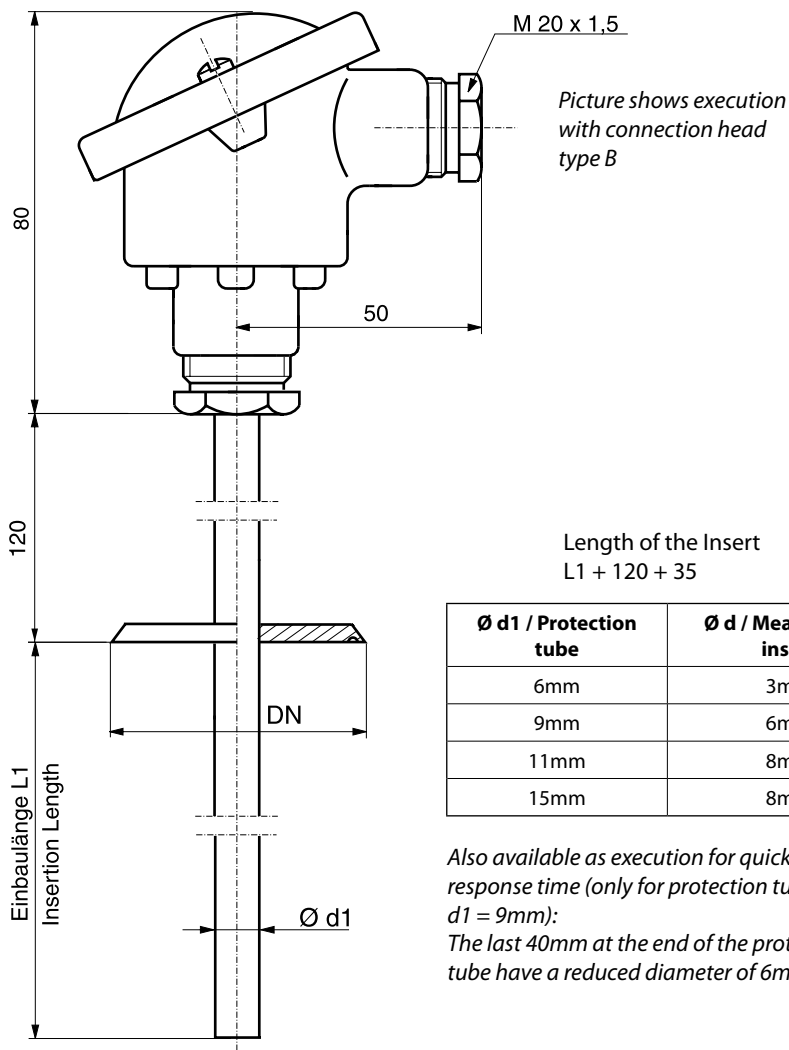
Process connection	
Ordering code	J K
Clamp connection	1 7
Varivent connection	2 7

Please declare size E in plain text

Terminal heads *1	
Ordering code	LM
Type B	0 1
Type BUZ	0 2
Type BUZ - H	0 3
Type NS	0 4
Type GG	0 5
Type BEG	0 6
Special type	0 9

Transmitter *2	
Ordering code	N
Without	0
According datasheet 844.00 *3	1
According datasheet 846.00 *4	3
According datasheet 847.00 *5	5
According datasheet 848.00 *6	6
Special type	9

Connection *7	
Ordering code	O
2 - Wire configuration	2
3 - Wire configuration	3
4 - Wire configuration *8	4



Length of the Insert
L1 + 120 + 35

Also available as execution for quick response time (only for protection tubes Ø d1 = 9mm):
The last 40mm at the end of the protection tube have a reduced diameter of 6mm

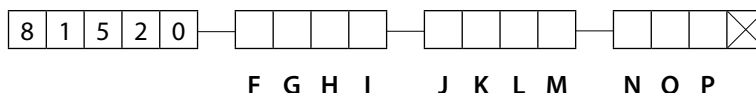
RTD	
Ordering code	P
1 x Pt100 CL. B	1
1 x Pt100 CL. A	2
2 x Pt100 CL. B *8	3
2 x Pt100 CL. A *8	4
Special RTD	9

- *1 Terminal heads see Infosheet 81.02
- *2 Declare measurement range in plain text
- *3 Analog, Low- Cost
- *4 Digital, Low- Cost, without seperation
- *5 Digital, with seperation
- *6 Digital, with seperation, HART® compatible
- *7 Wiring schemes see datasheet 801.0
- *8 No 4- wire circuit with two Pt100

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 :

Insertion length (L_i):

..... mm

with transmitter / Measuring range:

..... °C to °C

Sizedn (10 - 15)::

.....