

In-line temperature probe with Pt 100

Temperature measurement without dead-zones in tubing CIP and SIP capability

This measurement system enables temperature measurement without dead-zones in tubing. The rounded shape, adapted to the tube diameter, does not create additional flow resistance.

Complete in-situ cleaning is possible with CIP (cleaning in process) or SIP (sterilisation in process)

These products can be used, for example, in coating systems or in chemical, cosmetic, food and beverage technological systems.



Technical data

Measuring ranges	-20 to 200 °C
Ambient temperature	-25 ... 80 °C
Accuracy	Pt 100 class B acc. EN 60751
Protection	IP65 acc. EN 60529 / IEC 529
process connection	See selection chart
Wetted parts	Connection A with threaded end DIN 11887: Stainless steel 1.4571 Connection clamp ISO 2852: Stainless steel 1.4435
Options	See selection chart

Selection Chart

Ordering code TAR xxx/xxx.xxx / xxx / xxxx (ordering code)

Type

Tube temperature probe

TAR

Order n°	Measuring range with built-in measuring transducer
87T	-20 ... 200 °C
78T	0 ... 50 °C
12T	0 ... 100 °C
21T	0 ... 150 °C
22T	0 ... 200 °C
spec.	intermediate steps on request

Process connection to tube (others on request)

Clamp ISO 2852

DN 1/2"	627
DN 3/4"	621
DN 1"	622
DN 1 1/2"	623
DN 2"	624
DN 2 1/2"	625

A with threaded end C DIN 11887

DN 15	531
DN 25	532
DN 32	537
DN 40	534
DN 50	533
DN 65	536
DN 80	535

Connecting head

Shape B, DIN 43279, aluminium	1
Shape BUZ, DIN 43279, folding	2
Field casing, stainless steel	3

Measuring transducer

Without	1
Signal output 4 ...20 mA EEx ib	2
Signal output 4 ... 20 mA	3

Breakage protection (in case of breakage of PT100 sensor)

Without setting or without measuring transducer	1
Output signal 0%	2
Output signal 100%	3

Sensor type (others on request)

1 x Pt 100 2-wire (standard)	1
2 x Pt 100 2-wire	2

Wetted area

Stainless steel (see techn. data)	33
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Measuring range

Without measuring transducer	87T
With measuring transducer	see table

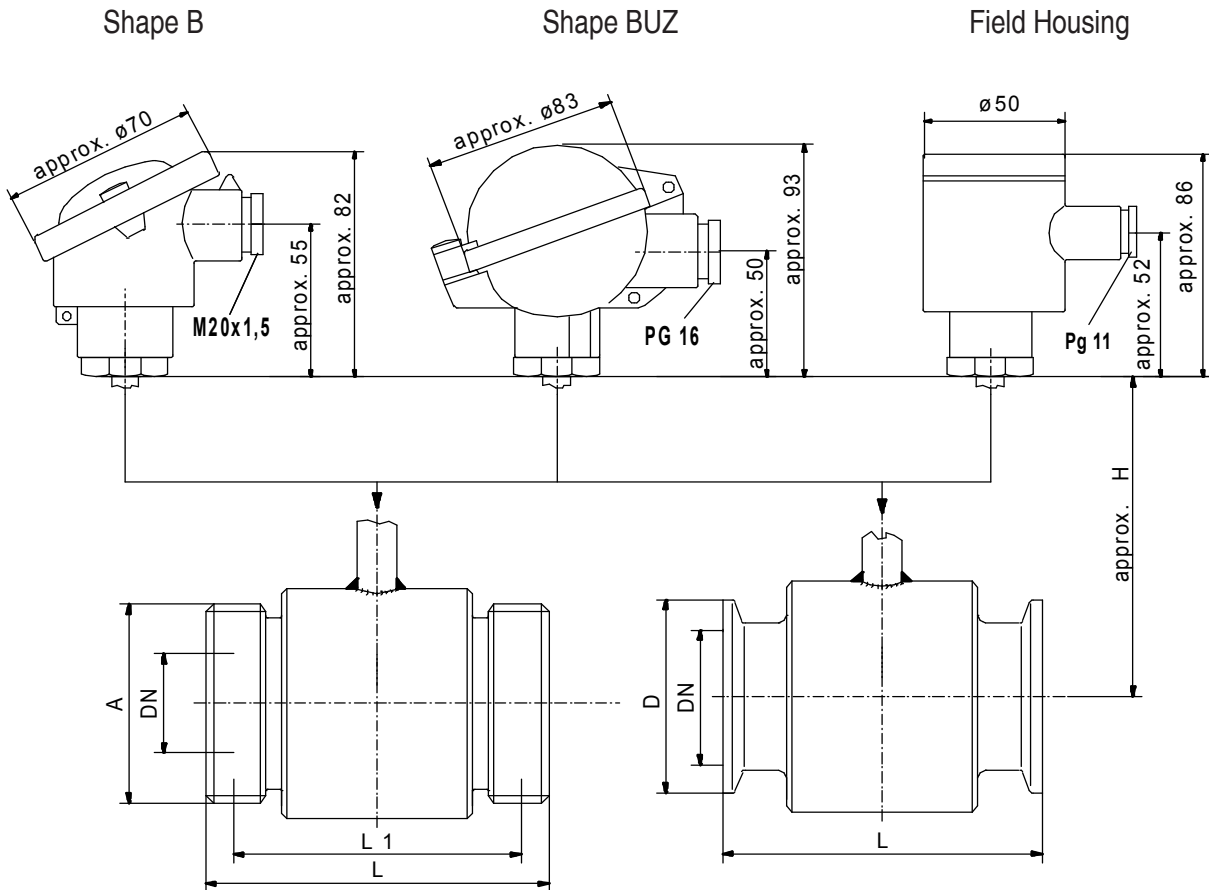
Options

Wetted area:	Stainless steel, electro polished	Ordering code 1359
Silicone-free		Ordering code 0793

Special designs and auxiliary units

describe in plain text

Dimensions



Size table

Clamp connection: ISO 2852	DN	Inner- \varnothing	Clamp- \varnothing D	L	L1	approx. H
TAR 627/...	1/2"	10	25	73	-	60
TAR 621/...	3/4"	14	25	73	-	60
TAR 622/...	1"	22,6	50,5	73	-	70
TAR 623/...	1 1/2"	35,6	50,5	73	-	70
TAR 624/...	2"	48,6	64	73	-	80
TAR 625/...	2 1/2"	60,3	77,5	73	-	85

Connection A with threaded end DIN 11887	DN	Inner- \varnothing	A	L	L1	approx. H
TAR 531/...	15	16	Rd 34 x 3/8"	80	72	60
TAR 532/...	25	26	Rd 52 x 1/6"	86	72	70
TAR 537/...	32	32	Rd 58 x 1/6"	86	72	80
TAR 534/...	40	38	Rd 65 x 1/6"	86	72	80
TAR 533/...	50	50	Rd 68 x 1/6"	86	72	85
TAR 536/...	65	66	Rd 95 x 1/6"	90	74	90
TAR 535/...	80	81	Rd 114 x 1/4"	100	82	105

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