

Screw-in Resistance thermometer

with fixed precision resistor without neck tube

Measuring insert 1 x PT 100 / 2 x PT 100, not replaceable
 Transmitter installation possible (Sheet 18.10)

Connection head Form B of light alloy according to DIN 43729
 with M20 x 1.5 cable gland

Operating temperature Normal version up to 400 °C
 Special version up to 600 °C

Version Sensor tube continuous 6 mm Ø

Response time (Average value)
 in Water 0,4 m/s : $t_{0,5} \approx 7$ s, $t_{0,9} \approx 20$ s
 in Air 1m/s : $t_{0,5} \approx 0,7$ min, $t_{0,9} \approx 2,2$ min

Thermowell Material	E in mm	Order no. 1 x PT 100	Order no. 2 x PT100
1.4541	100	4.58.04.11	4.58.04.12
(V2A)	200	4.58.04.21	4.58.04.22
	300	4.58.04.31	4.58.04.32
Surcharge per 50 mm E		4.58.04.01	4.58.04.02
1.4571	100	4.58.20.11	4.58.20.12
(V4A)	200	4.58.20.21	4.58.20.22
	300	4.58.20.31	4.58.20.32
Surcharge per 50 mm E		4.58.20.01	4.58.20.02

Version Sensor tube continuous 8 mm Ø

Response time (Average value)
 in Water 0,4 m/s : $t_{0,5} \approx 10$ s, $t_{0,9} \approx 28$ s
 in Air 1m/s : $t_{0,5} \approx 1,0$ min, $t_{0,9} \approx 3,2$ min

Thermowell Material	E in mm	Order no. 1 x PT 100	Order no. 2 x PT100
1.4541	100	4.58.04.41	4.58.04.42
(V2A)	200	4.58.04.51	4.58.04.52
	300	4.58.04.61	4.58.04.62
Surcharge per 50 mm E		4.58.04.03	4.58.04.04
1.4571	100	4.58.20.41	4.58.20.42
(V4A)	200	4.58.20.51	4.58.20.52
	300	4.58.20.61	4.58.20.62
Surcharge per 50mm E		4.58.20.03	4.58.20.04

Version Sensor tube continuous 10 mm Ø

Response time (Average value)
 in Water 0,4 m/s : $t_{0,5} \approx 13$ s, $t_{0,9} \approx 35$ s
 in Air 1m/s : $t_{0,5} \approx 1,2$ min, $t_{0,9} \approx 4,0$ min

Thermowell Material	E in mm	Order no. 1 x PT 100	Order no. 2 x PT100
1.4541	100	4.58.04.71	4.58.04.72
(V2A)	200	4.58.04.81	4.58.04.82
	300	4.58.04.91	4.58.04.92
Surcharge per 50 mm E		4.58.04.05	4.58.04.06
1.4571	100	4.58.20.71	4.58.20.72
(V4A)	200	4.58.20.81	4.58.20.82
	300	4.58.20.91	4.58.20.92
Surcharge per 50 mm E		4.58.20.05	4.58.20.06
Surcharge	3-wire circuit	4.58.00.03	4.58.00.23
	4-wire circuit	4.58.00.04	4.58.00.24

Versions in other installation lengths and materials possible.

