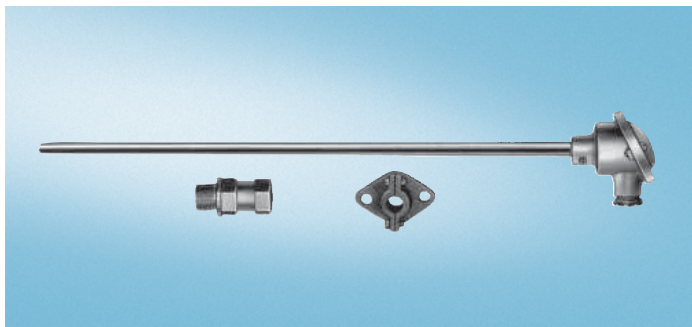


SITRANS T measuring instruments for temperature

Resistance thermometers

Flue gas resistance thermometers with connection head

Overview



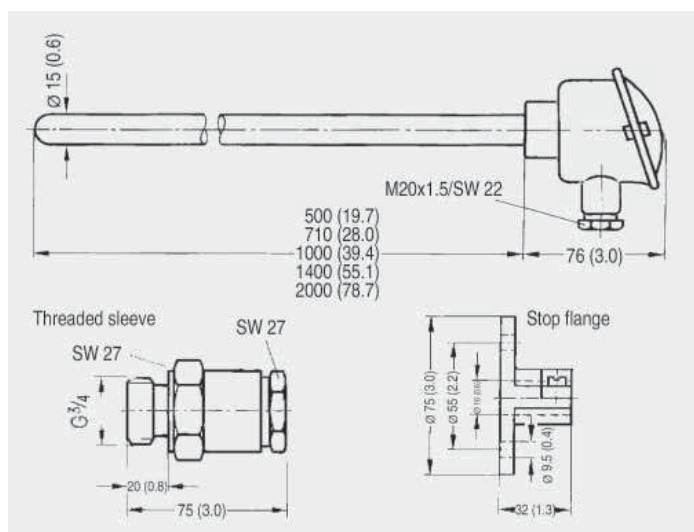
The flue gas resistance thermometer with connection head is suitable for the temperature range from -50 to +600 °C (-58 to +1112 °F) and can also be supplied with a built-in temperature transmitter.

Please order mounting flange or threaded sleeve separately.

Technical specifications

Design	According to DIN 43764: Thermometer without mount
Protective tube	
• Form	1, DIN 43772; cylindrical, 15 mm diameter (0.59 inch), wall thickness 3 mm (0.12 inch), seamless
• Material	St 35.8, mat. No. 1.0305, enamelled
• Loading capacity	1 bar (14.5 psi) above atmospheric, to DIN 43772
Measuring insert	Replaceable, with measuring insert tube (8 mm diameter (0.31 inch)) made of stainless steel; terminal block with clamping springs

Dimensional drawings



Flue gas resistance thermometer with connection head, dimensions in mm (inches)

Selection and Ordering data

Order No.

Flue gas resistance thermometer

Measuring resistor (winding) embedded in ceramic
1 Pt100 measuring resistor, three-wire circuit

Mounting length/ mm (inch):	Weight/ kg (lb):
• 500 (19.7)	0.9 (1.98)
• 710 (28.0)	1.1 (2.43)
• 1000 (39.4)	1.5 (3.31)
• 1400 (55.1)	1.9 (4.19)
• 2000 (78.7)	2.7 (5.95)

7MC1000-1BA2
7MC1000-2BA2
7MC1000-3BA2
7MC1000-4BA2
7MC1000-5BA2

Connection head, form B,

made of cast light alloy, with 1 cable inlet and

- screw cover
- standard hinged cover
- high hinged cover

1
4
6

Further designs

Please add "-Z" to Order No. and specify Order code(s) and plain text.

Order code

- Different design (mounting length, protective tube material etc.), specify in plain text.
- TAG plate made of stainless steel specify TAG No. in plain text
- Calibration carried out at one point, specify desired temperature in plain text (order equivalent number of times for several calibration points).

Y01
Y15
Y33

Accessories

Order No.

Mounting flange

Adjustable, to DIN 43734;
Material: GTW 35, mat. No. 0.8035, for protective tube diameter 15 mm (0.59 inch), 0.3 kg (0.66 lb)

7MC2998-5CA

Gas-tight threaded sleeve

Material: 9 SMnPb 28
Material No. 1.0718, for protective tube diameter 15 mm (0.59 inch), 0.4 kg (0.88 lb)

- G $\frac{3}{4}$ internal thread with gasket
- G $\frac{1}{2}$ internal thread with gasket

7MC2998-5DA
7MC2998-5DC

To order a temperature transmitter installed in the connection head, see "Temperature transmitters for installation in the connection head" (page 3/64).

Individual parts: Measuring inserts, see "Accessories".