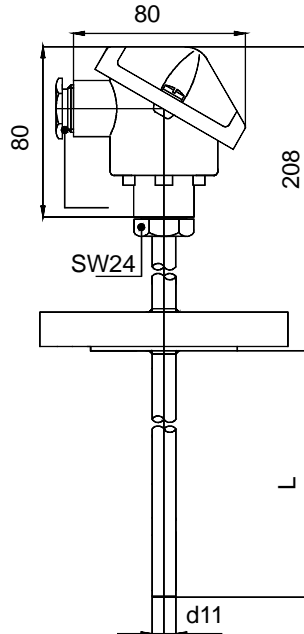


TC Thermometer *Omnigrad TSC 130S*

DIN 43 763, form F



Description

The thermometer TSC 130S is delivered with a thermowell according to DIN 43 763 form F. It includes a TEC 100 (6 mm) E+H inset with thermocouple type K,J,T either with free wires for head transmitter mounting or with a ceramic block. The hot junction is either grounded or isolated type. The terminal head can be selected from a wide choice of standard items (see the technical information TA 20 and the order key).

Application

The flanged thermometer TSC 130S is particularly suited for heavy duties. Typical applications are chemical industry, waste water, food.

Response time values

According to IEC751 in moving water at 0.4 m/s

	T50	T90
Isolated junction	36 s	116 s

Technical Data

Inset

E+H type: TEC 100 according to DIN 43 735
Sensing element: Thermocouple type T, J, K Single or Double
Range: According to type of thermocouple
Tolerances: According to class 2, DIN IEC 584.2 class 1 or 3 according to DIN IEC 584.2

Protection tube

E+H type: According to DIN 43 763 form F
Standard diameter: 11 x 7 mm
Process connection: Flanged, DIN ND25 NP40 or ANSI 1" 150 lbs, 300 lbs
Standard material: W 1.4571 - AISI 316 Ti, W 2.4816 - Inconel 600, W 1.4301 - AISI 304 (on request)

Max operating conditions: 40 bar / 20 °C; 450 °C / 1 bar (see TI 090T)

Terminal Head

E+H type: Standard According to DIN 43729, AI, Din B
Protection class: IP 54
Cable connection: PG 16 with cable gland

Dimension of flanges per DIN and ANSI standards.

	DIN 2527 NP 10/40					ANSI B.16.5							
						1/2"		1"		1 1/2"		2"	
	ND 15	ND 20	ND 25	ND 40	ND 50	150	300 600	150	300 600	150	300 600	150	300 600
Outer diameter	95	105	115	150	165	88,9	95,2	107,9	123,8	127	155,6	152,4	156,1
Thickness (w/facing)	16	18	18	18	20	16	16 20,6	16	17,5 23,8	17,5	20,6 28,5	19,1	22,2 31,7
Holes no.	4	4	4	4	4	4	4	4	4	4	4	4	8
Holes diameter	14	14	14	18	18	15,9	15,9	15,9	19	15,9	22,2	19	19
Holes P.C.D	65	75	85	110	125	60,3	66,7	79,4	88,9	98,4	114,3	120,6	127

Endress+Hauser

Nothing beats know-how



