

Combustion Gas Temperature Sensors

TESK PT 1000 sensor is designed for temperature measurement in combustion gas from boilers and boiler plants. The sensor is protected by a stainless steel pocket for prolonged life. Housing is made of heat-resistant plastic. The screw cap and the terminal blocks are tilted 45° make an easy installation. Temperature is detected by a Pt 1000 element with a nominal resistance of 1000 Ohms at 0°C.

The sensor is mounted to the exit gas duct by means of an R 1/2" joint.



Model Types	Model	Description
	TESK PT1000	TESK PT1000 Combustion Gas Temperature Sensor
Technical Data	Sensor Element	TESK PT1000 - Pt1000 EN 60751/B
	Accuracy	TESK PT1000 - $\pm 0.3^{\circ}\text{C}$ (at 0°C)
	Stem	10mm x 200mm HST Steel
	Connection	R1/2"
	Protection degree	IP 34
	Housing	Silumin cast box
	Cable conduit	PG 11
	Range	-50°C...+400°C
	Dimensions	100 x 65 x 35mm

Note !

Minimum distance from a hot duct to a plastic housing is 100mm.

Temperature/Resistance

°C	PT1000/Ω
400	2470.6
375	2384.1
350	2296.9
325	2209.0
300	2120.3
275	2030.9
250	1940.8
225	1850.0
200	1758.4
175	1666.2
150	1573.2
125	1479.4
100	1385.0
90	1347.0
80	1308.9
75	1289.8
70	1270.7
65	1251.6
60	1232.4
55	1213.2
50	1194.0
45	1174.7
40	1155.4
35	1136.1
30	1116.7
25	1097.3
20	1077.9
15	1058.5
10	1039.0
5	1019.5
0	1000.0
-5	980.4
-10	960.9
-15	941.2
-20	921.6
-25	901.9
-30	882.2
-40	842.7
-50	803.1

Dimensions

