

TESK PT 1000 TEMPERATURE SENSOR FOR COMBUSTION GAS

TESK PT 1000 sensor is designed for temperature measurement in combustion gas from boilers and boiler plants. Temperature is detected by a Pt1000 element with a nominal resistance of 1000 Ω at 0°C.

The sensor is protected by a stainless steel pocket for prolonged life. Housing is made of aluminium cast. The sensor is mounted to the duct by means of a joint with R $\frac{1}{2}$ " thread. On order the sensor can be delivered with a mounting flange.

NOTE: Minimum distance from hot duct to housing is 100 mm.



Technical data:

Sensor	Pt1000 EN60751B
Mounting	joint with R $\frac{1}{2}$ " thread
Stem	Ø 10 mm x 200 mm HST steel
Housing	aluminium cast, IP54
Cable entry	PG 16
Range	-50...+400°C
Accuracy	± 0.3 °C (at 0 °C)

Temperature / resistance -table:

°C	PT1000 (Ω)	°C	PT1000 (Ω)
400	2470.9	80	1308.9
375	2384.1	70	1270.7
350	2297.2	60	1232.4
325	2208.9	50	1194.0
300	2120.5	40	1155.4
275	2030.8	30	1116.7
250	1941.0	20	1077.9
225	1849.7	10	1039.0
200	1758.4	0	1000.0
175	1665.8	-10	960.9
150	1573.1	-20	921.6
120	1460.6	-30	882.2
100	1385.0	-40	842.7
90	1347.0	-50	803.1

Ordering guide:

Model	Product number	Description
TESK PT 1000	1174160	sensor for combustion gas

Products fulfil the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).