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DATA SHEET

TESK

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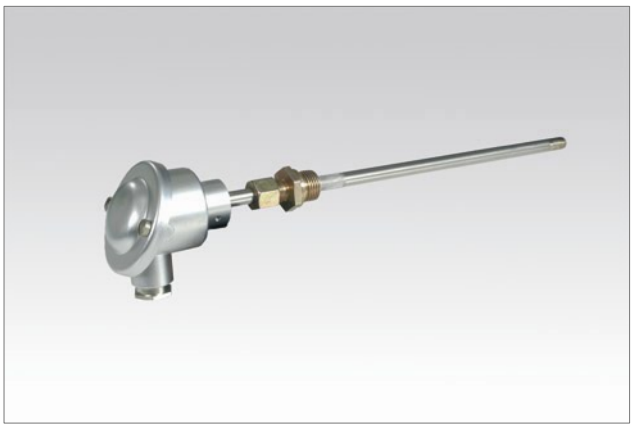


TESK PT 100 TEMPERATURE SENSOR FOR COMBUSTION GAS

TESK PT 100 sensor is designed for temperature measurement in combustion gas from boilers and boiler plants. Temperature is detected by a Pt100 element with a nominal resistance of 100 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 exit gas duct by means of a joint with R½" 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	Pt100 EN 60751/B
Mounting	joint with R½" thread
Stem	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	PT100 (Ω)	°C	PT 100 Ω
400	247.1	80	130.9
375	238.4	70	127.1
350	229.7	60	123.2
325	220.9	50	119.4
300	212.0	40	115.5
275	203.1	30	111.7
250	194.1	20	107.8
225	185.0	10	103.9
200	175.8	0	100.0
175	166.6	-10	96.1
150	157.3	-20	92.2
125	147.9	-30	88.2
100	138.5	-40	84.3
90	134.7	-50	80.3

Ordering guide:

Model	Product number	Description
TESK PT 100	1173160	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).

Information is subject to change without prior notice.