

## SAUNA TEMPERATURE SENSOR TES PT 100

TES Pt 100 temperature sensor is designed for automatic HVAC systems, especially for demanding conditions such as saunas, cold-rooms, freezers and stores.

Temperature is detected by a Pt element with a nominal resistance of 100  $\Omega/0$  °C. Pt-element is outside the housing.

Housing is made of weather-proof aluminium, IP 67 also ensuring a good mechanical protection for the sensor.



### Technical data:

Sensor	Pt 100 EN 60751/B
Prot. class	IP 67
Housing	silumin cast
Cable entry	PG 11
Range	-50...120 °C
Accuracy	± 0.3 °C (at 0 °C)
Dimensions	100 x 65 x 35 mm

### Temperature/Resistance:

°C	PT 100 / $\Omega$	°C	PT 100 / $\Omega$
120	146.06	25	109.73
100	138.50	20	107.79
90	134.70	15	105.85
80	130.89	10	103.90
75	128.98	5	101.95
70	127.07	0	100.00
65	125.16	-5	98.04
60	123.24	-10	96.09
55	121.32	-15	94.12
50	119.40	-20	92.16
45	117.47	-25	90.19
40	115.54	-30	88.22
35	113.61	-40	84.27
30	111.67	-50	80.31

### Ordering guide:

Model	Product number	Description
TES PT 100	1173100	sauna temperature sensor 100 ohm / 0 °C

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

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