

FROST GUARD SENSOR TEKV PT100

TEKV PT100 temperature sensor is made for automatic HVAC systems to detect heating coil temperatures (= return water).

Temperature is detected by a Pt100 element with a nominal resistance of 100 Ω /0 °C.

Housing is made of heat-resistant plastic. The screw cover and the terminal blocks tilted to 45° make an easy installation.

Sensor is installed to the pipe by means of an adjustable joint with R1/4" thread. Mounting depth is adjustable up to ...200 mm.



Technical data:

Sensor	Pt100 EN 60751/B
Mounting	R 1/4" threads
Stem	4 mm x 200 mm
Cable entry	M16
Range	-50...120 °C
Accuracy	± 0.3 °C (at 0 °C)
Time constant	n. 2.5 s
Pressure rating	PN 16

Temperature/Resistance:

°C	PT 100 Ω	°C	PT 100 Ω
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
TEKV PT100	1173120	frost guard 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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