

## FROST GUARD SENSOR TEKV PT1000

TEKV PT1000 temperature sensor is made for automatic HVAC systems to detect heating coil temperatures (= return water).

Temperature is detected by a Pt1000 element with a nominal resistance of 1000  $\Omega/0^\circ\text{C}$ .

Housing is made of heat-resistant plastic. The screw cover and the terminal blocks tilted to  $45^\circ$  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          | PT 1000 EN60751B                                |
| Mounting        | R 1/4" threads                                  |
| Stem            | 4 mm x 200 mm                                   |
| Cable entry     | M16                                             |
| Range           | -50...120 $^\circ\text{C}$                      |
| Accuracy        | $\pm 0.3^\circ\text{C}$ (at $0^\circ\text{C}$ ) |
| Time constant   | about 2.5 s                                     |
| Pressure rating | PN 16                                           |

### Temperature/Resistance:

| $^\circ\text{C}$ | PT 1000 $\Omega$ | $^\circ\text{C}$ | PT 1000 $\Omega$ |
|------------------|------------------|------------------|------------------|
| 120              | 1460.6           | 25               | 1097.3           |
| 100              | 1385.0           | 20               | 1077.9           |
| 90               | 1347.0           | 15               | 1058.5           |
| 80               | 1308.9           | 10               | 1039.0           |
| 75               | 1289.8           | 5                | 1019.5           |
| 70               | 1270.7           | 0                | 1000.0           |
| 65               | 1251.6           | -5               | 980.4            |
| 60               | 1232.4           | -10              | 960.9            |
| 55               | 1213.2           | -15              | 941.2            |
| 50               | 1194.0           | -20              | 921.6            |
| 45               | 1174.7           | -25              | 901.9            |
| 40               | 1155.4           | -30              | 882.2            |
| 35               | 1136.1           | -40              | 842.7            |
| 30               | 1116.7           | -50              | 803.1            |

### Ordering guide:

| Model       | Product number | Description                                       |
|-------------|----------------|---------------------------------------------------|
| TEKV PT1000 | 1174120        | frost guard sensor<br>1000 ohm/ $0^\circ\text{C}$ |

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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