

## > Cable temperature sensors

### Sensors - temperature (cable)



#### Generally applicable

The cable sensors are generally applicable in process and building management systems. The two-wire cable with crimp-on terminals can be connected directly to a controller or other device. Once a cable has been installed, it is easy to identify by means of the product specifications printed on the cable.

A mounting flange is available for ceiling mounting, which can be ordered separately.

#### Maintenance-free

The cable sensors do not require any maintenance. The finishing of the sensor and the PVC cable also ensure a high IP code of IP67.

#### Various versions

The cable sensor is available with an NTC10K or an Ni1000TK5000 sensor. It is preferable to use a cable sensor with NTC10K. The cable sensor with Ni1000TK5000 is only available for existing projects to replace another Ni1000TK5000 sensor.

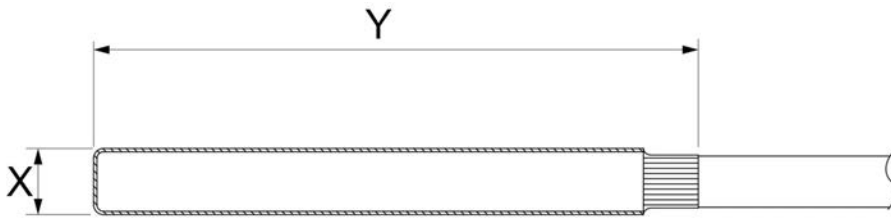
#### Characteristics

- generally applicable
- maintenance-free
- available in various designs

#### Specifications

General		
Article description	Cable temperature sensor NTC10K 2 m.	Cable temperature sensor Ni1000TK5000 2 m. <sup>1</sup>
Article number	111043	111044
Sensor type	NTC10K	Ni1000TK5000 DIN B
Nominal resistance	10k $\Omega$ $\pm$ 5% at 25°C	1000 $\Omega$ at 25°C
Sensitivity	B <sub>25/85</sub> : 3989 K (B <sub>25/50</sub> : 3950 k $\pm$ 1.0%)	TC: 5000 ppm/K
Standard	N/A	DIN 43760
Dimensions XY	55 mm x diam. 6 mm	
Weight	59 grams	
Cable material	PVC	
Sensor housing material	stainless steel (1.4571 / 316 Ti)	
Measuring current	typ. < 1 mA	
Response time T <sub>63</sub>	< 60 s at air speed of 3 m/s	
Cable	2 metres, two-wire 0.22 mm <sup>2</sup> with crimp-on terminals	
Cable resistance	0.364 $\Omega$	
IP code	IP67 NEMA 4	
Insulation resistance	> 100 M $\Omega$ at 20°C	
Measurement range	-30 ... +105°C	
Permitted temperature during transport and storage	-30 ... +70 °C	
Permitted ambient relative humidity	5 ... 95% relative humidity (non-condensing)	

<sup>1</sup> Only available for replacing another Ni1000TK5000 sensor.



#### Accessories

Mounting flange

for mounting on a ceiling  
 Ordered separately (article number 111045)

Europe Office:  
 Priva  
 Zijlweg 3  
 P.O. Box 18  
 2678 ZG  
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 The Netherlands  
[www.priva.com](http://www.priva.com)  
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