

## AVERAGING TEMPERATURE SENSOR TEKA NTC20-500

TEKA NTC20-500 sensor is made for detecting the averaging temperature in a large air duct.

Temperature is detected by four NTC20 thermistors. Thanks to the special mechanical construction the sensor is able to detect temperature throughout its entire length.

Housing is made of heat resistant plastics. Screw cover and terminal blocks tilted to 45° make an easy installation.

Sensor is mounted to the duct by means of an adjustable flange.



### Technical data:

|               |                                  |
|---------------|----------------------------------|
| Sensors       | 4 x 20 k $\Omega$ NTC thermistor |
| Stem          | $\varnothing$ 8 mm x 500 mm      |
| Duct mounting | adjustable flange                |
| Housing       | plastic (< 120 °C)               |
| Prot. class   | IP 54, cable entry or stem down  |
| Cable entry   | M16                              |
| Range         | -50...70 °C                      |
| Accuracy      | $\pm$ 0.2 °C (at 25 °C)          |

### Temperature/Resistance:

| °C  | NTC 20 / $\Omega$ | °C  | NTC 20 / $\Omega$ |
|-----|-------------------|-----|-------------------|
| 120 | 609               | 25  | 20000             |
| 100 | 1114              | 20  | 25350             |
| 90  | 1541              | 15  | 32346             |
| 80  | 2166              | 10  | 41567             |
| 75  | 2585              | 5   | 53812             |
| 70  | 3099              | 0   | 70203             |
| 65  | 3732              | -5  | 92322             |
| 60  | 4517              | -10 | 122431            |
| 55  | 5494              | -15 | 163777            |
| 50  | 6718              | -20 | 221088            |
| 45  | 8259              | -25 | 301297            |
| 40  | 10211             | -30 | 414698            |
| 35  | 12698             | -40 | 810861            |
| 30  | 15887             | -50 | 1659082           |

### Ordering guide:

| Model           | Product number | Description   |
|-----------------|----------------|---|
| TEKA NTC 20-500 | 1176170        | averaging temperature sensor, 500 mm<br>20 kohm / 25 °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).

### Produal Oy

Keltakalliontie 18  
48770 Kotka  
FINLAND  
[www.produal.fi](http://www.produal.fi)

Puh: +358-5-230 9200  
Fax: +358-5-230 9210  
[info@produal.fi](mailto:info@produal.fi)