



64-TKG

Temperature sensors with a plastic housing

Temperature sensors with a plastic housing are designed for measuring the temperature of air and non-aggressive gases in air conditioning, heating and ventilation systems (HVAC). They are available in different versions, wall-mounted, duct-mounted and pipe-mounted. These sensors are produced with different measuring characteristics, mostly resistive acc. to EN 60751 like Pt100, Pt1000 or another e.g. Ni1000LG, optionally also fitted with a temperature transmitter. The measuring sensor is placed inside the housing or in a metal protection tube.

Advantages of sensors with plastic housing

- Durable, economical construction
- Quick assembly / disassembly on site
- High measuring accuracy

Main applications

Measurement of external or internal temperature

Measurement in production and storage rooms

Temperature measurement in heating and ventilation ducts

Temperature measurement on the surface of pipes

Temperature measurement of air and non-aggressive gases

The sensors are made mostly with resistance sensors with Pt100, Pt1000 characteristics in a 2-, 3- or 4-wire system, accuracy class B or A (class A or better accuracy for 3- or 4-wire connections only) according to EN 60751 or with Ni100, Ni1000LG sensors. Versions with double measuring sensor or other temperature characteristics are mostly available on demand.

More technical information on this product group
we present on our website
www.guenther.com.pl

① Housing

Material ABS

Protection rating IP20

② Measuring sensor

1xPt100 2-, 3-, 4-wire

1xPt1000 2-, 3-, 4-wire

1xNi100 2-wire

1xNi1000LG 2-wire

other ... on request

Indoor temperature sensor



Technical specifications

Dimensions: 87,5 mm x 87,5 mm x 30,5 mm

Protection rating: IP20

Measuring range:

Sensor	Range
Pt100	0...+100°C
Pt1000	0...+100°C
Ni1000LG	0...+100°C

Measuring sensor

1xPt100-2L class B

1xPt100-3L class A

1xPt1000-2L class B

1xPt1000-3L class A

1xNi1000LG -2L

Construction

Housing dimensions 87,5x87,5x30,5mm

Temperature transmitters

None, without transmitter

Next version number

Standard, basic version

The next number is given by the manufacturer

Sensor inside the housing

6	4	-	2	3	1	0	0	0	0	1	-	0	0	0	0
			1	1											
			2	3											
			1	6											
			2	8											
			7	7											
											1				
											0				
											1				
											0				

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