



## Temperature transmitter



**SPECIFICATIONS**

**testo 6920**

The testo 6920 is a cost-effective temperature transmitter that is appealing thanks to its functionality and design. If desired, it can be equipped with a display and/or an interface for adjustment. A set-point adjuster is available as an option for set-point setting. If equipped with an interface, the transmitter can be calibrated/adjusted using the P2A software. The testo 6920 transmitter is available as a wall and a duct version.



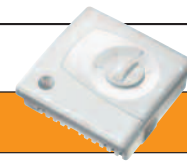
**PERFORMANCE FEATURES**

**testo 6920**

- Measurement of temperature in the measuring range from 0 to +70 °C (wall version) and -20 to +70 °C (duct version)
- 2 housing versions for application as a wall or duct version
- P2A software for parameterization, adjustment and analysis, saves time and costs in commissioning and maintenance
- Optional set-point adjuster with adjusting range 10 to 32 °C/50 to 90 °F or - ... 0 ... +
- Temperature available as an analog or passive output
- Optional display

Areas of application:

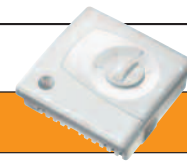
- Industrial and commercial buildings, e.g. in production and storage
- Offices and administrative buildings
- Sales areas and exhibition halls
- Museums and libraries
- School buildings, hotels, clinics etc.



# Temperature transmitter

## Technical data

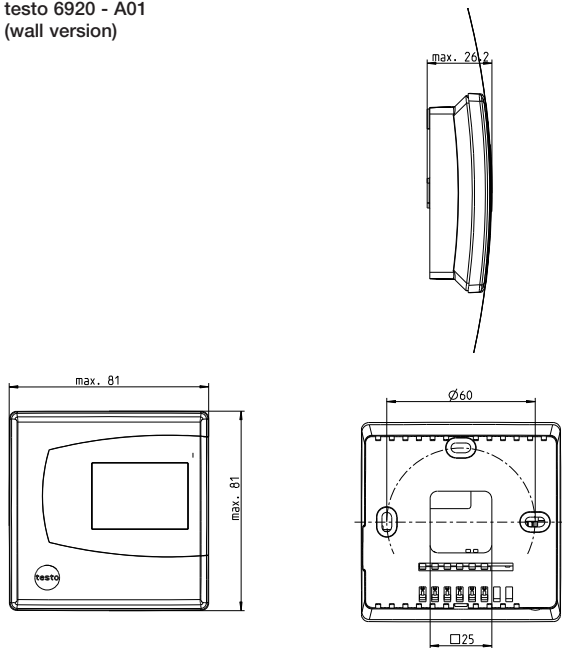
	testo 6920 - A01 (wall version)	testo 6920 - A02 (duct version)		testo 6920 - A01 (wall version)	testo 6920 - A02 (duct version)
<b>Parameters</b>			<b>General</b>		
<b>Temperature</b>			<b>Housing</b>		
Meas. range	0 to +70 °C/ +32 to +158 °F	-20 to +70 °C/ -4 to +158 °F	Material/colour	ABS, pure white (RAL 9010)	
Accuracy	±0.5 °C/0.9 °F		Dimensions	81 x 81 x 26 mm/3.19 x 3.19 x 1.03"	81 x 81 x 42 mm/3.19 x 3.19 x 1.66", without probe shaft
Selectable units	°C/°F		Weight	80 g	
Sensor	5 kΩ NTC (active) Pt 100 class A looped through (passive) Pt 100 class B looped through (passive) Pt 1000 class B looped through (passive) NI 1000 looped through (passive) 5 kΩ NTC looped through (passive) 10 kΩ NTC looped through (passive)		<b>Display</b>		
			Display	1-line, 7-segment	
			Resolution	0.1 °C/0.1 °F	
			<b>Operation</b>		
			Nominal value adjusting range	10 to 32 °C/50 to 90 °F / - ... 0 ... + or via the keys (C01 with W01 or W02) or via P2A (optionally via external interface)	
<b>Inputs and outputs</b>			<b>Assembly</b>		
<b>Analog outputs</b>			Cable screw connection	None (cable routed through rear wall opening or break-out opening on bottom)	1 x M16 x 1.5
Number of channels	2 channels (temperature)		<b>Miscellaneous</b>		
Output type	4 to 20 mA (2-wire) 0 to 1/5/10 V (4-wire)		Protection class	IP 30	IP 65
Meas. cycle	1/sec		EMC	According to EC Directive 89/336 EEC, EN 60730-1	
Accuracy of analog outputs	4 to 20 mA ±0.05 mA 0 to 1 V ±2.5 mV 0 to 5 V ±12.5 mV 0 to 10 V ±25 mV Resistance value of the temperature sensor (passive)				
<b>Supply</b>					
Voltage supply	20 to 30 V DC/V AC 24 V DC ±10 %				
Current consumption					
Output	Supply voltage [V]	Current consumption [mA]			
2-wire current 4 to 20 mA	20	20			
	24	20			
	30	20			
4-wire voltage 0 to 10 V	24	7			
	30	7			
	20	20			
	24	22			
	30	28			
<b>Operating conditions</b>					
Electronics temperature (housing) (with/without display)	Without display: 0 to +70 °C/ +32 to +158 °F (A01) With display: 0 to +50 °C/+32 to +122 °F (A01) Without display: -20 to +70 °C/ -4 to +158 °F With display: 0 to +50 °C/ +32 to +122 °F				
Storage temperature	-40 to +80 °C/-40 to +176 °F				
Measuring medium	Air in air-conditioning systems or air-conditioned rooms				



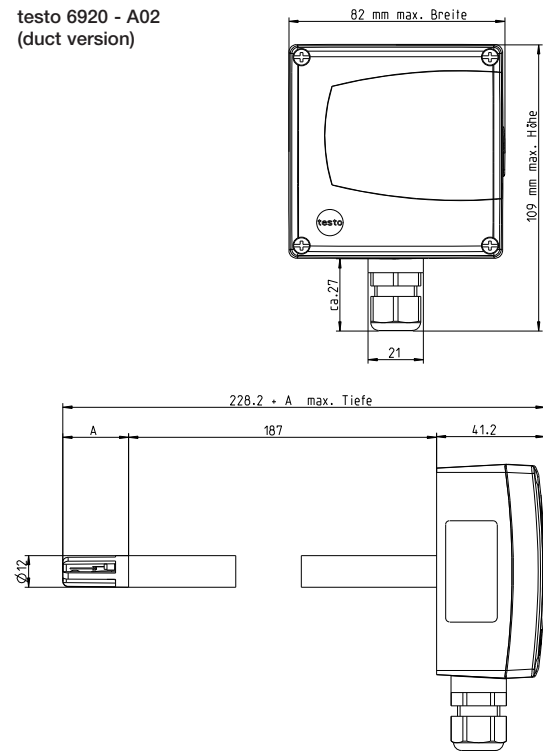
# Temperature transmitter

## Technical drawings

testo 6920 - A01  
(wall version)



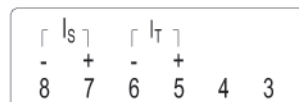
testo 6920 - A02  
(duct version)



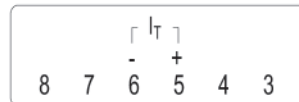
## Pin assignment

### Wall version active

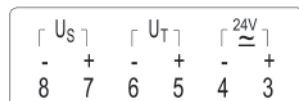
Current with sensor



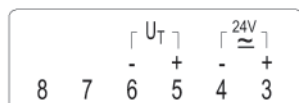
Current without sensor



Voltage with sensor



Voltage without sensor

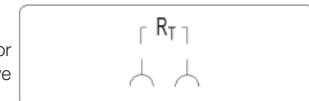


### Wall version passive

With sensor

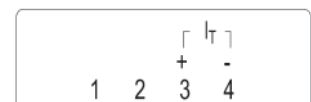


Without sensor  
Duct version passive

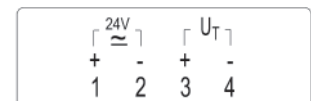


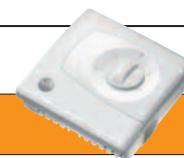
### Duct version active

Current



Voltage





# Temperature transmitter

The following options can be specified for the testo 6920:

<b>AXX</b>	Version
<b>BXX</b>	Analog output/supply
<b>CXX</b>	Display
<b>EXX</b>	Housing colour
<b>SXX</b>	Interface
<b>GXX</b>	Unit
<b>KXX</b>	Language of the instruction manual (for bilingual paper instruction manual)
<b>WXX</b>	Set-point adjuster

<b>AXX</b>	<b>Version</b>
A01	Wall version IP30
A02	Duct version IP65

<b>BXX</b>	<b>Analog output/supply</b>
B01	4 to 20 mA (2-wire, 24 V DC)
B02	0 to 1 V (4-wire, 20 to 30 V AC/DC)
B03	0 to 5 V (4-wire, 20 to 30 V AC/DC)
B04	0 to 10 V (4-wire, 20 to 30 V AC/DC)
B21	Pt 100 class A passive
B22	Pt 100 class B passive
B23	Pt 1000 class B passive
B24	Ni1000 passive
B25	NTC 5 kohm passive
B26	NTC 10 kohm passive

<b>CXX</b>	<b>Display</b>
C00	Without display
C01	With display (only for B0x)

<b>EXX</b>	<b>Housing colour</b>
E02	Housing colour pure white (RAL9010) without logo
E03	Housing colour pure white (RAL9010) b&w testo logo

<b>SXX</b>	<b>Interface</b>
S00	Without external interface
S01	With external interface (only for B0x)

<b>GXX</b>	<b>Unit</b>
G00	No unit (only for B2x)
G01	Temperature (°C) (only for B0x)
G02	Temperature (°F) (only for B0x)

<b>KXX</b>	<b>Language of the instruction manual (for bilingual paper instruction manual)</b>
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K01	German/English instruction manual
K02	French/English instruction manual
K03	Spanish/English instruction manual
K04	Italian/English instruction manual
K05	Dutch/English instruction manual
K06	Japanese/English instruction manual
K07	Chinese/English instruction manual

<b>WXX</b>	<b>Set-point adjuster</b>
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W00	Without set-point adjuster
W01	With set-point adjuster 10 to 32 °C (only for A01 B0x .. G01)
W02	With set-point adjuster 50 to 90°F (only for A01 B0x .. G02)
W03	With set-point adjuster -.0..+ (only for A01 B0x C00)
W04	With set-point adjuster 5k, 10 to 32 °C (only for A01 B2x)
W05	With set-point adjuster 5k, 50 to 90°F (only for A01 B2x)
W06	With set-point adjuster 5k, -.0..+ (only for A01 B2x)
W07	With set-point adjuster 10k, 10 to 32 °C (only for A01 B2x)
W08	With set-point adjuster 10k, 50 to 90°F (only for A01 B2x)
W09	With set-point adjuster 10k, -.0..+ (only for A01 B2x)

## Example:

Order code for testo 6920 transmitter with the following options:

- Duct version IP65
- Analog output Pt 100 class B passive
- Without display
- Housing colour pure white (RAL9010) without logo
- Without external interface
- No unit
- Language of instruction manual German/English
- Without set-point adjuster

**0555 6920 A02 B22 C00 E02 S00 G00 K01 W00**