

# Temperature Sensor

## Types 5201 to 5261

with NTC Resistors



### Application

Sensors for measuring temperatures in heating, ventilation and air-conditioning systems. Versions with NTC (Negative Temperature Coefficient) resistors.

Basic values are according to the specified technical data.



### Temperature sensors with NTC resistor

Screw-in sensor	•	•	•	•	•	•	•									
Duct sensor								•	•	•						
Strap-on sensor											•					
Outdoor sensor												•				
Room sensor													•	•	• <sup>1)</sup>	
Measuring range	-20 to 50 °C	•						•				•	•			
	0 to 40 °C						•		•					•	•	
	20 to 120 °C	•		•	•	•	•			•	•					
NTC resistor	Ω	2970 to 550	3030 to 609	2970 to 550				2970 to 750	3030 to 609	2970 to 750	2970 to 550	2970 to 550	3030 to 609	3030 to 609	2970 to 750	2970 to 750
Sensor length		80	160	160	250	160	250	160	300	300	300	–	–	–	–	–
Sensor shaft G 1/2 made of		Brass	Brass	Brass	Brass	1.4571	1.4571	1.4571	Brass n-p	Brass n-p	Brass n-p	–	–	–	–	–
Nominal pressure	PN	16				40			—							
Perm. medium temp.	°C	-10 to 130	-35 to 85	-10 to 130				-35 to 85			-10 to 130		-35 to 85			
Perm. ambient temp.	°C	-20 to 70						-20 to 70			-10 to 130	-35 to 85				
Degree of protection	IP	54						41			54	54	20			
Type		5201-3	5201-01	5201-11	5201-12	5201-13	5201-14	5201-33	5210	5213	5211	5261-2	5220-1	5250	5253	5253 S
Style																
Preferable application		Heating flow pipes	Swimming pools	Heating flow pipes	Water heaters	Heating flow pipes	Water heaters	Swimming pools	Mixed air, supply air and exhaust air			Heating flow pipes	Exterior walls	Living and working rooms		

<sup>1)</sup> With set point adjuster 0 to 1000 Ohm

## Note

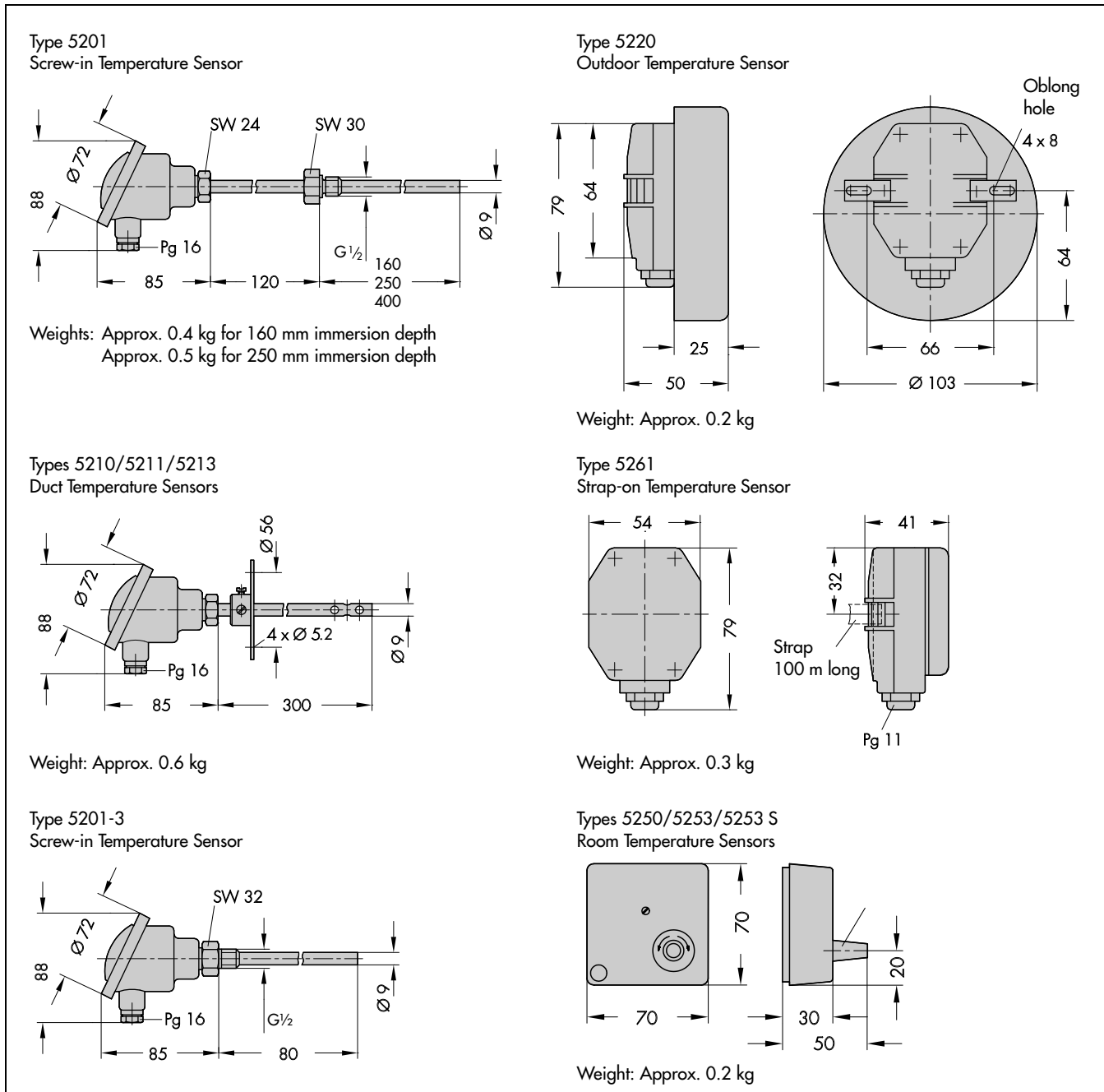
For temperature sensors containing a NTC resistor, line balancing is not required. Should the connecting lines between sensor and controller be longer than 100 m, line cross-section should be min. 1.5 mm<sup>2</sup>.

The connecting lines between temperature sensor and controller are to be installed separated from the lines conducting system voltage.

## Ordering text

Temperature Sensor with NTC Resistor Type ...

## Dimensions in mm and weights



Specifications subject to change without notice.



SAMSON AG · MESS- UND REGELTECHNIK  
Weismüllerstraße 3 · D-60314 Frankfurt am Main  
Postfach 10 19 01 · D-60019 Frankfurt am Main  
Telefon (0 69) 4 00 90 · Telefax (0 69) 4 00 95 07

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