

T1050

Compact resistance temperature sensors with connector or head type MA

- Suitable for gas or liquid medias, e.g. air, gas, steam, water and oil.
- Measuring resistor 1× Pt100 3-wire, 1× Pt1000 2-wire or 1× Ni1000 (W100=1,6180) 2-wire
- Measuring range -50 to +200 °C.
- Accuracy class B or A according EN 60751.
- Connector EN 175301-803 type A / C (ISO 4400), connector circle M12×1 or head type MA.
- Compact body from stainless steel AISI 316L/316Ti.
- Immersion length up to 400 mm with possibility of extension 40 to 100 mm.
- Nominal pressure PN63.
- Housing IP65.



Ordering table

Compact resistance temperature sensor T1050 ① ② ③ ④ ⑤ ⑥ ⑦

Sensor T1050 ① ② ③ ④ ⑤ ⑥ ⑦

1. code	Description	Measuring range
01	1× Pt100, 4-wire	-50 to 200 °C
11	1× Pt100, 3-wire	-50 to 200 °C
03	1× Pt1000, 4-wire	-50 to 200 °C
23	1× Pt1000, 2-wire	-50 to 200 °C
13	1× Ni1000 (W100=1,6180), 4-wire	-50 to 200 °C
33	1× Ni1000 (W100=1,6180), 2-wire	-50 to 200 °C
99	other	

Accuracy class T1050 ① ② ③ ④ ⑤ ⑥ ⑦

2. code	Accuracy class according EN 60751
B	B
A	A <small>only for 3-wire</small>
9	other

Stem diameter T1050 ① ② ③ ④ ⑤ ⑥ ⑦

3. kód	Stem diameter – D	Material
D40	4 mm ^{*1}	SS316L
D60	6 mm ^{*2}	SS316L / 316Ti
D9	other	

*1 – Only for L to 150 mm. *2 – Standard for L 60 mm and longer.

Immersion length T1050 ① ② ③ ④ ⑤ ⑥ ⑦

4. code	Immersion length - L	
L030	30 mm	only for D40, not for connection (code M00), not for acc. class A
L060	60 mm	
L100	100 mm	
L150	150 mm	
L200	200 mm	not for stem diameter 4 mm (code D40)
L250	250 mm	not for stem diameter 4 mm (code D40)
L300	300 mm	not for stem diameter 4 mm (code D40)
L400	400 mm	not for stem diameter 4 mm (code D40)
L___	other - length in mm must be added to the code	

Process connection T1050 ① ② ③ ④ ⑤ ⑥ ⑦

5. code	Description	
M00	without thread	
M02	M12×1,5	
M04	M20×1,5	not for N000
G02	G1/4"	
G04	G1/2"	not for N000
C34	flange CLAMP with diameter 34,0 mm	not for N000
C50	flange CLAMP with diameter 50,5 mm	not for N000
C64	flange CLAMP with diameter 64,0 mm	not for N000
P9	other	

Extension length T1050 ① ② ③ ④ ⑤ ⑥ ⑦

6. code	Extension length - N	
N000	without extension	maximum permissible temperature on the fitting 120 °C, not for code M04, G04 and flanges CLAMP
N040	40 mm	
N100	100 mm	
N___	other - length in mm must be added to the code	

Electrical connection T1050 ① ② ③ ④ ⑤ ⑥ ⑦

7. code	Description
MA	head type MA, Al alloy, with terminal block
KA	connector EN 175301-803 type A (standard)
KC	connector EN 175301-803 type C (mini)
K124	connector M12×1, socket, 4-pin, without counterpart
H9	other

Optional accessories and versions T1050 ① ② ③ ④ ⑤ ⑥ ⑦ ...

Code	Sealings for CLAMP flanges
T1	sealing material EPDM
T2	sealing material SILIKON
T3	sealing material PTFE
T9	other

Code	Calibration
KTE3	3 point calibration in range -40 to 200 °C only to 80 °C for sum of lengths L + N shorter than 120 mm

Example of order:
T1050 ① ② ③ ④ ⑤ ⑥ ⑦
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T1050 11 B D60 L250 M04 N40 KA
KTE3(0,50,100°C)

