

# T2610

## Programmable compact temperature sensors with connector and 4 to 20 mA output

- Suitable for gas or liquid medias, e.g. air, gas, steam, water and oil.
- Programmable measuring range from -50 °C to 200 °C.
- Programmable damping and error current.
- Current output 4 to 20 mA, loop powered.
- Accuracy class A or AA according EN 60751.
- Connector EN 175301-803 type A (ISO 4400) or circle connector M12×1.
- Stainless steel body AISI 316L/316Ti.
- Nominal pressure PN63.
- Ambient temperature for electronics -40 to +85 °C.
- Error current >21 mA.
- Housing IP65.



### Ordering table

Type		1	2	3	4	5	6	7	8	9	0
<b>1. code</b>	<b>Description</b>										
<b>T2610</b>	Programmable compact temperature sensor with connector and 4 to 20 mA output										
Base measuring range		1	2	3	4	5	6	7	8	9	0
<b>2. code</b>	<b>Description</b>										
<b>F0</b>	-50 to 200 °C										
<b>F9</b>	other										
Accuracy class		1	2	3	4	5	6	7	8	9	0
<b>3. code</b>	<b>Accuracy class according EN 60751</b>										
<b>A</b>	A (-50 °C ± 0,25 °C; 0 °C ± 0,15 °C; 100 °C ± 0,35 °C; 200 °C ± 0,55 °C)										
<b>AA</b>	AA (1/3B) (0 °C ± 0,10 °C; 50 °C ± 0,185 °C; 100 °C ± 0,27 °C; 150 °C ± 0,355 °C)										
<b>9</b>	other										
Stem		1	2	3	4	5	6	7	8	9	0
<b>4. code</b>	<b>Outer diameter - D</b>										
<b>D40</b>	4 mm *1										
<b>D60</b>	6 mm										
<b>D9</b>	other										
	<b>Material</b>										
	<b>D40</b>										
	<b>D60</b>										
	<b>D9</b>										

\*1 - Only for L + N max. 140 mm.

Immersion length <span style="float: right;">① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ○</span>		
5. code	Immersion length - L	
L030	30 mm	
L060	60 mm	
L100	100 mm	
L150	150 mm	
L200	200 mm	
L250	250 mm	
L300	300 mm	
L400	400 mm	
L___	other - enter length in mm to code	

  

Process connection <span style="float: right;">① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ○</span>		
6. code	Description	
G00	without connection	
G02	G1/4" DIN 3852-2 type A (for flat sealing)	
G04	G1/2" DIN 3852-2 type A (for flat sealing)	
C34	flange CLAMP with diameter 34,0 mm	nor for N000
C50	flange CLAMP with diameter 50,5 mm	nor for N000
C64	flange CLAMP with diameter 64,0 mm	nor for N000
G9	other	

  

Extension (not for code G00) <span style="float: right;">① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ○</span>		
7. code	Extension - N	
N000	without extension	max. temperature on thread 85 °C
N040	40 mm	
N100	100 mm	
N___	other - enter length in mm to code	

  

Electrical connection <span style="float: right;">① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ○</span>		
8. code	Description	
KA	connector EN 175301- 803 type A (ISO 4400, DIN 43650).	
K124	connector circle M12×1, 4 pin	
K9	other	

  

Sensor settings <span style="float: right;">① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ○</span>		
9. code	Description	
NR	no setting required	preset: RL 0°C, RH 100°C, DP 1s, ECH
QR	setting of range, damping, error current	

  

Optional settings (only for code QR) <span style="float: right;">① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ●</span>		
Code	Measuring range	
RL__	start of range (4 mA)	enter value in °C (e.g. RL0)
RH__	end of range (20 mA)	enter value in °C (e.g. RL150)
Code	Output	
DP__	output damping	enter value in s (e.g. D1)
Code	Error indication	
ECL	current while error indication below 3,6 mA	
ECH	current while error indication above 21 mA	

  

Optional accessories and versions <span style="float: right;">① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ●</span>		
Code	Calibration	
KTE3	3-point calibration in range -40 to 200 °C	for immersions less than 150 mm only to 80 °C

Code	Display units
<b>ZJ-30</b>	LED display for direct mounting to temperature/pressure sensor including angle adapter with connector ISO4400, input 4 to 20 mA, loop-powered
Code	Configuration units
<b>LHPWinCom USB1</b>	set of configuration program LHPWinConf (CZ+EN) for PC, modem HARTMod and interface USB-RS232C
<b>LHPConf</b>	field communicator for LHP transmitters, function of transmitter supply
<b>HARTConf</b>	HART-USB modem and field communicator for LHP and HART transmitters, function of transmitter supply supplied from USB or built-in accumulator, charged from USB
<b>HARTMod</b>	HART modem with galvanic isolation for interface RS232
<b>LHPWinConf</b>	configuration program LHPWinConf (CZ+EN) for PC (WIN XP/Vista/7/8/10)
<b>USB-RS232C</b>	communication interface RS232 for connection to USB

Example of order:

**T2610 F0 A D60 L150 G04 N000 KA NR KTE3 (0, 50, 100 °C)**

**T2610 F0 A D60 L150 G04 N000 KA QR RL0 RH150 DP1 ECH**

