

ORDER CODES

Unconfigured Order Number: T31-00^[1]

Example Configured Order Number: **T 3 1** - **3 85 U** - **S (50-300) F**

1-0

CODE	DESCRIPTION
2	RTD (2-wire)
3	RTD (3-wire)
4	RTD (4-wire)

2-0

CODE	DESCRIPTION
85	100 ohm platinum ($\alpha = 0.003\ 85\ ^\circ\text{C}^{-1}$)
92	100 ohm platinum ($\alpha = 0.003\ 92\ ^\circ\text{C}^{-1}$)
95	1000 ohm platinum ($\alpha = 0.003\ 85\ ^\circ\text{C}^{-1}$)

[1] Default setting for unconfigured transmitter is 4-wire Pt100 (0 -100) °C.



3-0

CODE	DESCRIPTION
U	Upscale Burnout $\geq 21.0\ \text{mA}$
D	Downscale Burnout $\leq 3.6\ \text{mA}$

4-0

RANGE
S (lower limit – upper limit)

5-0

CODE	DESCRIPTION
C	Celsius
F	Fahrenheit

Accessories

CODE	DESCRIPTION
10303	Communication Cable
10307	35 mm DIN-rail mounting clip

ORDER CODES

Example Configured Order Number:

T72-00 ¹⁻⁰ - 1 ²⁻⁰ J ³⁻⁰ U ⁴⁻⁰ - S (50-300) ⁵⁻⁰ F ⁶⁻⁰ - B ⁷⁻⁰

1-0 Transmitter Type

CODE	DESCRIPTION
T72-00	(4 to 20) mA isolated programmable HART® transmitter
T72-D10	(4 to 20) mA isolated programmable HART® transmitter with digital display
36T72-D10	(4 to 20) mA isolated programmable HART® transmitter with digital display and general purpose aluminum housing with glass window
79T72A-D10	(4 to 20) mA isolated remote mount programmable HART® transmitter with digital display: aluminum housing with glass window. Intrinsic Safety: Ex ia [ia Ga] IIC Gb; Class I, Zone 1, AEx ia [ia Ga] IIC T6...T4 Gb; Class I, Division 2, Groups A,B,C,D T6...T4 - NIFW; Class I, Division 2, Groups A,B,C,D; T6...T4 – NIFW and Associated Apparatus for Class I, Division 1, Groups A,B,C,D
79T72B-D10	(4 to 20) mA isolated remote mount programmable HART® transmitter with digital display: Explosion-proof, Dust Ignitionproof aluminum housing with glass window. Class I, Division 1, Groups A,B,C,D; Class II, Division 1 Groups E,F,G; Class III

2-0 Configuration Input

CODE	DESCRIPTION
00 ^[1]	Unconfigured
1	Thermocouple (TC)
2	RTD (2-wire)
3	RTD (3-wire)
4	RTD (4-wire)

[1] Default setting for unconfigured transmitters is 3-wire Pt100 (0 - 100) °C.

Accessories

CODE	DESCRIPTION	CODE	DESCRIPTION
10303	Communication cable	22808	Wall Mount Bracket (Option 79 only)
10307	35 mm DIN-rail mounting clip	22809	Pipe Mount Bracket (Option 79 only)

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3-0 Sensor Input

CODE	DESCRIPTION
J	Type J thermocouple
K	Type K thermocouple
T	Type T thermocouple
N	Type N thermocouple
E	Type E thermocouple
R	Type R thermocouple
S	Type S thermocouple
B	Type B thermocouple
85	100 ohm platinum ($\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$)
55	500 ohm platinum ($\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$)
95	1000 ohm platinum ($\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$)
mV	Millivolts
W	Resistance

4-0 Fault Condition

CODE	DESCRIPTION
U	Upscale Burnout $\geq 21.0 \text{ mA}$
D	Downscale Burnout $\leq 3.6 \text{ mA}$

5-0

RANGE
S (lower limit – upper limit)

6-0 Unit of Measure

CODE	DESCRIPTION
C	Celsius
F	Fahrenheit

7-0 Options

CODE	DESCRIPTION
B ^[1]	Bluetooth® (APP) Configuration

[1] Bluetooth® interface is only active if display is not attached.

ORDER CODES

Example Order Number:

T142A - **D** - **3 85 U** - **S(0-200)** **C** - **B**

1-0 Transmitter Type

CODE	DESCRIPTION
T142A	(4 to 20) mA HART® Field Transmitter with general-purpose aluminum housing
T142C	(4 to 20) mA HART® Field Transmitter with explosion-proof aluminum housing; CSA / XP Class I / Div 1 / Groups A,B,C,D / DIP Class II / Div 1 / Groups E,F,G / Class III
T142E	(4 to 20) mA HART® Field Transmitter with flame-proof/dust-protected aluminum housing; ATEX/IECEX; Ex d IIC T6...T4Gb; Ex tb IIIC T110 °C Db
T142F	(4 to 20) mA HART® Field Transmitter with general-purpose aluminum housing; IS CSA Class I, Zone 0, AEx ia IIIC T6...T4 Ga EX/AEx ia IIC Ga and NI/NIFW I.S. Class I, Div. 1, Gr. ABCD T6...T4 Class I, Division 2, Groups ABCD; T6...T4 (I.S. Associated Equipment, NIFW for sensor connections)
T142G	(4 to 20) mA HART® Field Transmitter with general-purpose aluminum housing; IS ATEX/IECEX II 1G, II 2G, II 2D Ex ia IIC T6...T4 Ga Ex ia IIC T6...T4 Gb Ex ia IIIC T85...T110 C Db

2-0 Options

CODE	DESCRIPTION
T	Solid cover
D	Glass cover with digital display

3-0 Input Type

CODE	DESCRIPTION
00	Unconfigured ^[1]
1	Thermocouple (TC) or millivolt
2	RTD (2-wire) or resistance
3	RTD (3-wire) or resistance
4	RTD (4-wire) or resistance

[1] Default setting for unconfigured transmitter is 4-wire - Pt100 (0 - 100) °C

Accessories

CODE	DESCRIPTION
10321	Pipe mounting bracket
22934	Replacement display board

7-0 Options

CODE	DESCRIPTION
B	Bluetooth® (APP) Configuration

6-1 Unit of Measure

CODE	DESCRIPTION
C	Celsius
F	Fahrenheit
K	Kelvin

6-0 Range

CODE	DESCRIPTION
S	(lower limit – upper limit)

5-0 Failure Mode

CODE	DESCRIPTION
U	Upscale Burnout ≥ 23 mA
D	Downscale Burnout ≤ 3 mA

4-0 Sensor Type

CODE	DESCRIPTION
J	Type J thermocouple
K	Type K thermocouple
T	Type T thermocouple
N	Type N thermocouple
E	Type E thermocouple
R	Type R thermocouple
S	Type S thermocouple
B	Type B thermocouple
85	100 ohm platinum ($\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$)
55	500 ohm platinum ($\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$)
95	1000 ohm platinum ($\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$)
MV	Millivolts
W	Resistance

Other types available. Consult factory.

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ORDER CODES

Example Order Number:

1-0 1-1 1-2 1-3 1-4 1-5 1-6 1-7 1-8
36T82-D10 - 33 - 85 - 85 - E - U - S(0-200) C - SIL

1-0 Transmitter Type

CODE	DESCRIPTION
T82-00	(4-20) mA dual input programmable HART® transmitter
T82-D10	(4-20) mA dual input programmable HART® transmitter with digital display
36T82-D10	(4-20) mA dual input programmable HART® transmitter with digital display and general purpose screw-cover housing
76T82-D10	(4-20) mA dual input programmable HART® transmitter with digital display and Explosion-proof aluminum housing - Class I, Division 1, Groups ABCD, Dust-Ignition proof - Class II, III; Division 1, Groups EFG
79T82-D10	(4-20) mA dual input remote mount programmable HART® transmitter with digital display and explosion-proof aluminum housing - Class I, Division 1, Groups ABCD, Dust-Ignition proof - Class II, III; Division 1, Groups EFG
79T82E-D10	(4-20) mA dual input remote mount programmable HART® transmitter with digital display, ATEX/IECEX flame-proof aluminum housing; II 2G, II 2D Ex db IIc T6...T4 Gb Ex tb IIIC T105 °C Db
79T82G-D10	(4-20) mA dual input remote mount programmable HART® transmitter with digital display and general purpose screw-cover housing IS ATEX/IECEX, II 2(1)G Ex ia [ia Ga] IIC T6...T4 Gb

1-1 Configuration Input

CODE	DESCRIPTION
00	Unconfigured
2I	Ch1: RTD 2-wire, Ch2: inactive
22	Ch1: RTD 2-wire, Ch2: RTD 2-wire
23	Ch1: RTD 2-wire, Ch2: RTD 3-wire
2T	Ch1: RTD 2-wire, Ch2: Thermocouple
3I	Ch1: RTD 3-wire, Ch2: inactive
32	Ch1: RTD 3-wire, Ch2: RTD 2-wire
33	Ch1: RTD 3-wire, Ch2: RTD 3-wire
3T	Ch1: RTD 3-wire, Ch2: Thermocouple
4I	Ch1: RTD 4-wire, Ch2: inactive
4T	Ch1: RTD 4-wire, Ch2: Thermocouple
TI	Ch1: Thermocouple, Ch2: inactive
TT	Ch1: Thermocouple, Ch2: Thermocouple

1-2 Sensor Input Channel 1

CODE	DESCRIPTION	CODE	DESCRIPTION
J	Type J thermocouple	E	Type E thermocouple
K	Type K thermocouple	R	Type R thermocouple
T	Type T thermocouple	S	Type S thermocouple
N	Type N thermocouple	B	Type B thermocouple
85	100 ohm platinum ($\alpha = 0.003 \text{ 85 } ^\circ\text{C}^{-1}$)		
55	500 ohm platinum ($\alpha = 0.003 \text{ 85 } ^\circ\text{C}^{-1}$)		
95	1000 ohm platinum ($\alpha = 0.003 \text{ 85 } ^\circ\text{C}^{-1}$)		

1-8 SIL Option

CODE	DESCRIPTION
SIL	Safety Integrity Level SIL2 and Supports SIL3

1-7 Unit of Measure

CODE	DESCRIPTION
C	Celsius
F	Fahrenheit

1-6 Range

CODE	DESCRIPTION
S	(lower limit – upper limit)

1-5 Failure Mode

CODE	DESCRIPTION
U	Upscale Burnout $\geq 23 \text{ mA}$
D	Downscale Burnout $\leq 3 \text{ mA}$

1-4 Input Set-ups

CODE	DESCRIPTION
A	Process variable = Ch1; Ch2 = inactive
B	Process variable = Ch1; Secondary value = Ch2
C	Process variable = the difference between Ch1 and Ch2
D	Process variable = average of Ch1 and Ch2
E	Sensor backup; Process variable = Ch1 and Ch2

1-3 Sensor Input Channel 2

CODE	DESCRIPTION
00	No second channel
J	Type J thermocouple
K	Type K thermocouple
T	Type T thermocouple
N	Type N thermocouple
E	Type E thermocouple
R	Type R thermocouple
S	Type S thermocouple
B	Type B thermocouple
85	100 ohm platinum ($\alpha = 0.003 \text{ 85 } ^\circ\text{C}^{-1}$)
55	500 ohm platinum ($\alpha = 0.003 \text{ 85 } ^\circ\text{C}^{-1}$)
95	1000 ohm platinum ($\alpha = 0.003 \text{ 85 } ^\circ\text{C}^{-1}$)

Accessories

CODE	DESCRIPTION
10307	35 mm DIN-rail mounting clip
16535	Replacement digital display
22808	Wall Mount Bracket (Option 79 only)
22809	Pipe Mount Bracket (Option 79 only)

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