

ORDER CODES

**Example
Order Number:**

1-0 1-1 1-2 1-3 1-4 1-5 1-6 1-7 1-8
76T82-D10 - 33 - 85 - 85 - A - U - S(0-200) C - SIL

1-0 Transmitter Type

CODE	DESCRIPTION
T82-00	(4 to 20) mA dual input, isolated HART® head-mounted Transmitter, no display (transmitter only)
76T82-D10	(4 to 20) mA dual input HART® programmable Transmitter with digital display and explosion-proof aluminum housing, FM/CSA, NI, IS, XP, DIP Class I Div I and Div II, Groups A, B, C, D

1-1 Configuration Input

CODE	DESCRIPTION
00	T82 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
J	Type J thermocouple
K	Type K thermocouple
T	Type T thermocouple
N	Type N thermocouple
E	Type E thermocouple
85	100 ohm platinum ($\alpha = 0.00385\text{ }^{\circ}\text{C}^{-1}$)

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 $\geq 20.5\text{ mA}$
D	Downscale Burnout $\leq 3.8\text{ mA}$

1-4 Input Set-ups

CODE	DESCRIPTION
A	Process Variable = Ch1; CH2 = inactive
B	Process variable = CH1; secondary variable = Ch2
C	Process variable = the difference between CH1 and Ch2
D	Process variable = the average between CH1 and Ch2
E	Sensor backup; Process variable= Ch1 and Ch2

1-3 Sensor Input Channel 2

CODE	DESCRIPTION
J	Type J thermocouple
K	Type K thermocouple
T	Type T thermocouple
N	Type N thermocouple
E	Type E thermocouple
85	100 ohm platinum ($\alpha = 0.00385\text{ }^{\circ}\text{C}^{-1}$)
00	No second channel

**For complete transmitter specifications
see Transmitter Section.**

HART® is a registered trademark of HART Communication Foundation.

