

## ORDER CODES

**Unconfigured Order Number:** 440-00<sup>[1]</sup>

**Example Configured Order Number:** **4 4 0** - **3 85 U** - **S (50-300) F**

**1**

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

**2**

CODE	DESCRIPTION
85	100 ohm platinum ( $\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$ )

[1] Default setting for unconfigured transmitter is 3-wire Pt100 (0 -100) $^\circ\text{C}$ .



**3**

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

**4**

RANGE
S ( lower limit – upper limit)

**5**

CODE	DESCRIPTION
C	Celsius
F	Fahrenheit

### Accessories

CODE	DESCRIPTION
10303	Communication Cable and Software (USB)
10307	35 mm DIN-rail mounting clip

## ORDER CODES

**Unconfigured Order Number:** 441-00<sup>[1]</sup>

**Example Configured Order Number:** **4 4 1** - **1 J U** - **S (50-300) F**

**1**

CODE	DESCRIPTION
1	Thermocouple (TC)
2	RTD (2-wire)
3	RTD (3-wire)
4	RTD (4-wire)

**2**

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

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



**3**

CODE	DESCRIPTION
U	Upscale Burnout $\geq 21.0 \text{ mA}$
D	Downscale Burnout $\leq 3.5 \text{ mA}$

**4**

RANGE
S ( lower limit – upper limit)

**5**

CODE	DESCRIPTION
C	Celsius
F	Fahrenheit

### Accessories

CODE	DESCRIPTION
10303	Communication cable and software (USB)
10307	35 mm DIN-rail mounting clip

## ORDER CODES

**Unconfigured Order Number:** 442-00<sup>[1]</sup>

**Example Configured Order Number:**

**4 4 2** - **1 J U** - **S (50-300) F**

**1**

CODE	DESCRIPTION
1	Thermocouple (TC)
2	RTD (2-wire)
3	RTD (3-wire)
4	RTD (4-wire)

**2**

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

**1 J U**

**3**

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

**4**

RANGE
S ( lower limit – upper limit )

**5**

CODE	DESCRIPTION
C	Celsius
F	Fahrenheit

### Accessories

CODE	DESCRIPTION
10307	35 mm DIN rail mounting clip

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

## ORDER CODES

**Example Order Number:**

1-0      1-1      1-2    1-3    1-4      1-5      1-6  
**642A** - **D** - **3 85 U** - **S(0-200)** **C**

### 1-0 Transmitter Type

CODE	DESCRIPTION
642A	(4 to 20) mA HART® Field Transmitter with general-purpose aluminum housing
642C	(4 to 20) mA HART® Field Transmitter with explosion-proof aluminum housing FM/CSA / XP Class I / Div 1 / Groups A,B,C,D / DIP Class II / Div 1 / Groups E,F,G / Class III / NI Class I / Div 2 / Groups A,B,C,D
642E	(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, IP66/67
642F	(4 to 20) mA HART® Field Transmitter with general-purpose aluminum housing FM/CSA IS Class I / Div 1 / Groups A,B,C,D / NI Class I / Div 2 / Groups A,B,C,D

### 1-1 Options

CODE	DESCRIPTION
T	Solid cover
D	Glass cover with digital display

### 1-2 Input Type

CODE	DESCRIPTION
00	Unconfigured <sup>[1]</sup>
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 3-wire Pt100 (0 - 100) °C

### Accessories

CODE	DESCRIPTION
10321	Pipe mounting bracket for use on pipes with a diameter between 1.5" to 3.3"

### 1-6 Unit of Measure

CODE	DESCRIPTION
C	Celsius
F	Fahrenheit
K	Kelvin

### 1-5 Range

CODE	DESCRIPTION
S	(lower limit – upper limit)

### 1-4 Failure Mode

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

### 1-3 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 ( $\alpha = 0.003\ 85\ ^\circ\text{C}^{-1}$ )
55	500 ohm platinum ( $\alpha = 0.003\ 85\ ^\circ\text{C}^{-1}$ )
95	1000 ohm platinum ( $\alpha = 0.003\ 85\ ^\circ\text{C}^{-1}$ )
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	No display (transmitter only)
T82-D10	Transmitter with digital display
36T82-D10	Transmitter with digital display and general purpose screw-cover housing

### 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
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 ( $\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$ )

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### 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 ( $\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$ )
55	500 ohm platinum ( $\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$ )
95	1000 ohm platinum ( $\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$ )