

## Model STT850 Smart Temperature Transmitter

## Model Selection Guide

**Instructions:** Make selections from all Tables Key through XIII using column below the proper arrow. Asterisk indicates availability. Letter (a) refer to restrictions highlighted in the restrictions table. Tables delimited with dashes.  
**List Price:** Price equals the sum of prices for all selections made.

Key	I	II	III	IV	V	VI	VII	VIII	IX
STT850	-	-	-	-	-	-	-	-	XXXX

List Price equals the sum of all selections made.



KEY NUMBER	Input Type
	Universal Input

Availability Selection		
STT850	*	√

Table I	No of Inputs
Input Details	Single
	Dual

S	*	√
T	*	√

Table II	Digital output
Digital Output	No
	Yes

0	*	√
1		

TABLE III	Agency Approvals (see data sheet for Approval Code Details)
Approvals	No Approvals Required
	FM Explosion proof, Intrinsically Safe, Non-incendive, & Dustproof
	CSA Explosion proof, Intrinsically Safe, Non-incendive, & Dustproof
	ATEX Explosion proof, Intrinsically Safe & Non-incendive
	IECEX Explosion proof, Intrinsically Safe & Non-incendive

0	*	√
A	*	√
B	*	√
C	*	√
D	*	√

TABLE IV	TRANSMITTER ELECTRONICS SELECTIONS			
a. Electronic Housing Material & Connection Type	Housing and Material		Connection	Lightning protection
	Polyester Powder Coated Aluminum		1/2 NPT	None
	Polyester Powder Coated Aluminum		M20	None
	Polyester Powder Coated Aluminum		1/2 NPT	Yes
	Polyester Powder Coated Aluminum		M20	Yes
	316 Stainless Steel (Grade CF8M)		1/2 NPT	None
	316 Stainless Steel (Grade CF8M)		M20	None
	316 Stainless Steel (Grade CF8M)		1/2 NPT	Yes
316 Stainless Steel (Grade CF8M)		M20	Yes	
b. Output/ Protocol	Analog Output		Digital Protocol	
	4-20mA dc		HART Protocol	
c. Customer Interface Selections	Indicator	Config Buttons	Languages	
	None	None	None	
	None	Yes (Zero/Span Only)	None	
	Basic	None	English	
	Basic	Yes	English	
	Advanced	None	EN,GR,FR,IT,SP,RU,TU	
Advanced	Yes	EN,GR,FR,IT,SP,RU,TU		

A__	*	√
B__	*	√
C__	*	√
D__	*	√
E__	*	√
F__	*	√
G__	*	√
H__	*	√

_H_	*	√
_D_	*	√

__0	*	√
__A	*	√
__B	*	√
__C	*	√
__D	*	√
__E	*	√

TABLE V	CONFIGURATION SELECTIONS		
a. Application Software	Diagnostics		
	Standard Diagnostics		
b. Output Limit, Failsafe & Write Protect Settings	Write Protect	Fail Mode	High & Low Output Limits <sup>3</sup>
	Disabled	High > 21.0mA dc	Honeywell Std (3.8 - 20.8 mA dc)
	Disabled	Low < 3.6mA dc	Honeywell Std (3.8 - 20.8 mA dc)
	Enabled	High > 21.0mA dc	Honeywell Std (3.8 - 20.8 mA dc)
	Enabled	Low < 3.6mA dc	Honeywell Std (3.8 - 20.8 mA dc)
	Enabled	N/A	N/A Fieldbus or Profibus
c. General Configuration	Factory Standard		
	Custom Configuration		

1__	*	√
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_1_	*	√
_2_	*	√
_3_	*	√
_4_	*	√
_5_	<b>g</b>	√
_6_	<b>g</b>	√

__S	*	√
__C	*	√

<sup>3</sup> NAMUR Output Limits 3.8 - 20.5mA dc can be configured by the customer or select custom configuration Table Vc

TABLE VI CALIBRATION & ACCURACY SELECTIONS			
a. Accuracy and Calibration	Accuracy	Calibrated Range	Calibration Qty
	Standard	Factory Std	Single Calibration
	Standard	Custom (Unit Data Required)	Single Calibration

A	*
B	*

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TABLE VII ACCESSORY SELECTIONS		
a. Mounting Bracket	Bracket Type	Material
	None	None
Pipe Mounting Bracket	Pipe Mounting Bracket	Carbon Steel
Pipe Mounting Bracket	Pipe Mounting Bracket	316 SS
Wall Mounting Bracket	Wall Mounting Bracket	Carbon Steel
Wall Mounting Bracket	Wall Mounting Bracket	316 SS
b. Customer Tag	Customer Tag Type	
	No customer tag	
	One Wired Stainless Steel Tag (Up to 4 lines 26 char/line)	
	Two Wired Stainless Steel Tag (Up to 4 lines 26 char/line)	
	One Wired Stainless Steel Blank Tag (Up to 4 lines 26 char/line)	
c. Unassembled Conduit Plugs & Adapters	Unassembled Conduit Plugs & Adapters	
	No Conduit Plugs or Adapters Required	
	1/2 NPT Male to 3/4 NPT Female 316 SS Certified Conduit Adapter	
	1/2 NPT 316 SS Certified Conduit Plug	
	M20 316 SS Certified Conduit Plug	
	Minifast® 4 pin (1/2 NPT) (not suitable for X-Proof applications)	
	Minifast® 4 pin (M20) (not suitable for X-Proof applications)	

0 ___	*
1 ___	*
3 ___	*
5 ___	*
6 ___	*

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_ 0 _	*
_ 1 _	*
_ 2 _	*
_ 3 _	*

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√  
√  
√

__ A0	*
__ A2	n
__ A6	n
__ A7	m
__ A8	n
__ A9	m

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TABLE VIII Other Certifications and Options	
c. Certifications and Warranty	None - No additional options
	Certificate of Conformance
	Calibration Test Report & Certificate of Conformance
	Certificate of Origin
	SIL2/3 Certificate
	Extended Warranty Additional 1 year
	Extended Warranty Additional 2 years
	Extended Warranty Additional 3 years
	Extended Warranty Additional 4 years
	Extended Warranty Additional 15 years

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F3	*
F1	*
F5	*
FE	j
01	*
02	*
03	*
04	*
15	*

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TABLE IX Manufacturing Specials	
Factory	Factory Identification

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MODEL RESTRICTIONS

Restriction Letter	Available Only with		Not Available with	
	Table	Selection(s)	Table	Selection(s)
g			IVb	_ H, D _
j	IVb	_ H _	Vb	_ 1,2,5,6 _
m	IVa	B,D,F,H _		
n	IVa	A,C,E,G _		
b	Select only one option from this group			