

## Model STT750 Smart Temperature Transmitter

## Model Selection Guide

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
STT750	-	-	-	-	-	-	-	-	X X X X

KEY NUMBER	Input Type
	Universal Input

Availability Selection

STT750	*	√
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Table I	No of Inputs
Input Details	Single

S	*	√
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Table II	Digital output
Digital Output	No

0	*	√
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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	

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

_H_	*	√
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__0	*	√
__A	*	√
__B	*	√
__C	*	√

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> 21.0mAdc	Honeywell Std (3.8 - 20.8 mAdc)
	Disabled	Low< 3.6mAdc	Honeywell Std (3.8 - 20.8 mAdc)
	Enabled	High> 21.0mAdc	Honeywell Std (3.8 - 20.8 mAdc)
Enabled	Low< 3.6mAdc	Honeywell Std (3.8 - 20.8 mAdc)	
c. General Configuration	Factory Standard		
	Custom Configuration		

1__	*	√
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_1_	*	√
_2_	*	√
_3_	*	√
_4_	*	√
__S	*	√
__C	*	√

<sup>3</sup> NAMUR Output Limits 3.8 - 20.5mAdc 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	*	√

TABLE VII		ACCESSORY SELECTIONS			
a. Mounting Bracket	Bracket Type	Material			
		None	None	0 ___	*
	Flat Pipe Mounting Bracket	Carbon Steel	1 ___	*	√
	Flat Pipe Mounting Bracket	316 SS	3 ___	*	√
	Angle Pipe Mounting Bracket	Carbon Steel	2 ___	*	
	Angle Pipe Mounting Bracket	316 SS	4 ___	*	
	Wall Mounting Bracket	Carbon Steel	5 ___	*	√
	Wall Mounting Bracket	316 SS	6 ___	*	√
b. Customer Tag	Customer Tag Type				
	No customer tag		_ 0 _	*	√
	One Wired Stainless Steel Tag (Up to 4 lines 26 char/line)		_ 1 _	*	√
	Two Wired Stainless Steel Tag (Up to 4 lines 26 char/line)		_ 2 _	*	√
	One Wired Stainless Steel Blank Tag (Up to 4 lines 26 char/line)		_ 3 _	*	√
c. Unassembled Conduit Plugs & Adapters	Unassembled Conduit Plugs & Adapters				
	No Conduit Plugs or Adapters Required		__ A0	*	√
	1/2 NPT Male to 3/4 NPT Female 316 SS Certified Conduit Adapter		__ A2	n	√
	1/2 NPT 316 SS Certified Conduit Plug		__ A6	n	√
	M20 316 SS Certified Conduit Plug		__ A7	m	√
	Minifast® 4 pin (1/2 NPT) (not suitable for X-Proof applications)		__ A8	n	
	Minifast® 4 pin (M20) (not suitable for X-Proof applications)		__ A9	m	

TABLE VIII		Other Certifications and Options			
c. Certifications and Warranty	None - No additional options		00	*	√
	Certificate of Conformance		F3	*	b √
	Calibration Test Report & Certificate of Conformance		F1	*	b √
	Certificate of Origin		F5	*	√
	SIL2/3 Certificate		FE	j	√
	Extended Warranty Additional 1 year		01	*	√
	Extended Warranty Additional 2 years		02	*	b √
	Extended Warranty Additional 3 years		03	*	b √

TABLE IX		Manufacturing Specials	
Factory	Factory Identification	0000	*

**MODEL RESTRICTIONS**

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

**FIELD INSTALLABLE REPLACEMENT PARTS**

Description	Kit Number
Integrally Mounted Basic Indicator Kit (Compatible with all Electronic Modules)	50049911-502
Single Input Terminal Strip w/o Lightning Protection for HART Modules	50086421-501
Single Input Terminal Strip w/Lightning Protection for HART Modules	50086421-503
HART Electronics Module Kit	50086423-501
HART Electronics Module w/connection for external configuration buttons	50086423-502

**PAPER MANUALS**

Description	Part Number
Paper Manual STT750 Smart Temperature Transmitter User Manual - English	34-TT-25-13
Paper Manual STT850/750 Smart Temperature Transmitter Safety Manual - English	34-TT-25-05
Paper Manual STT850 Smart Temperature Transmitter HART Communications Manual - English	34-TT-25-15