

STT 3000 Temperature Transmitter Series STT170

Model Selection Guide
34-44-16-07 Issue 33

Model Selection Guide With Price Data

Honeywell Proprietary

Instructions

- Choose Availability column based on Key Number.
- A dot (•) denotes unrestricted availability.
- Select the desired Key Number based on the desired communications protocol.
- Select options and approvals from Tables.

Key Number	I	II	III	IV	V	VI, options
STT17__	-	-	-	-	-	-



Key Number

Description	Selection	Availability
4-20mA Output, RTD input	STT171	↓
4-20mA Output, universal input	STT173	↓
HART Protocol, 4-20mA output	STT17H	↓
Configuration tool for STT171, 173 and 17H	STT17C	↓

Table I - Safety Approvals

Approval Body	Approval Type	Location or Classification				
None	No approval body certifications included		00	•	•	•
FM, CSA, ATEX	Intrinsically Safe	Class I, Div. 1, Groups A,B,C,D, T4 Class I, Zone 0/1; AEx ia IIC, T4	BS			
	Non-Incendive	Class I, Div. 2, Groups A,B,C,D, T4				
	Intrinsically Safe	Class I, Div. 2, Groups A,B,C,D, T4 Class I, Zone 0/1; Ex ia IIC, T4		•	•	•
	Non-Incendive	Class I, Div. 2, Groups A,B,C,D, T4				
	* Intrinsically Safe Zone 0/1	Ex II 1 GD, EEx ia IIC, T4..T6 Ex II 2 (1) GD, T4..T6	BN			
	Non-Incendive Zone 2	Class I, Div. 2, Groups A,B,C,D, T4 Ex II 3 G, EEx nA [L] T4..T6			•	

When installed in Field Mount Enclosure Table IV, E ___, or T __

FM Approval	Intrinsically Safe	Class I, Div. 1, Groups A,B,C,D, T4 Class I, Zone 0/1; AEx ia IIC, T4	1G	e	e	e
	Non-Incendive	Class I, Div. 2, Groups A,B,C,D, T4				
CSA	Intrinsically Safe	Class I, Div. 2, Groups A,B,C,D, T4 Class I, Zone 0/1; Ex ia IIC, T4	2G	e	e	e
	Non-Incendive	Class I, Div. 2, Groups A,B,C,D, T4				
ATEX	* Intrinsically Safe Zone 0/1	Ex II 1 GD, EEx ia IIC, T4..T6 Ex II 2 (1) GD, T4..T6	3S	e	e	e

* Ex II GD or II 2 (1) GD allows for installation in potentially explosive atmospheres caused by the presence of combustible dusts only when mounted in a metal enclosure of form B according to DIN 43729 (Head-Mount enclosure) that provides a degree of protection of at least IP 6X in accordance with EN 60529, that is suitable for the application and is correctly installed.

TABLE II - No Option

No Option	0	•	•	•	•
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TABLE III - Configuration & Certificates

Configuration	None - Factory Default Configuration Supplied	0 __	•	•	•	•
	Custom Transmitter Configuration with Printed Report **	T __	•	•	•	
Calibration	Custom Transmitter Calibration with Printed Report **	C __	•	•	•	
	No Option	_ 0 _	•	•	•	•
Optional Certificates	No Certificate of Conformance/Origin	_ _ 0	•	•	•	
	Certificate of Conformance/Origin	_ _ R	•	•	•	

The minimum value of orders acceptable for Honeywell is USD 500. Handling fee is the amount of the difference between USD

					Availability					
					STT17 _		1	3	H	C
					Selection	↓	↓	↓	↓	
TABLE IV - Transmitter Housing and Integral Meters (Reference EN01-6032 for details)										
Housing	No Housing Supplied				0 __	•	•	•	•	
	Field Housing	Aluminum with Beige Epoxy Coating				E __	d	d	d	
		316 Stainless Steel				T __	d	d	d	
		Head Mt	Type 4X housing - Beige				C __	g	g	g
Cable/ Conduit Entry	Not Applicable - No Housing Supplied				_ 0 _	•	•	•	•	
	1/2" NPT Cable/ Conduit Entry				_ N _	•	•	•	•	
	M20 x 1.5 Cable/ Conduit Entry				_ M _	•	•	•	•	
Integral Meter	No Integral Meter Supplied				_ _ 0	•	•	•	•	
	E.U. Meter for Field Mount Housing				_ _ E	h	h	h		

TABLE V - Optional Equipment

Mounting	No mounting bracket			0 _ _	•	•	•
	Carbon steel pipe mounting bracket for 2" pipe			M _ _	e	e	e
	Stainless Steel mounting bracket for 2" pipe			S _ _	e	e	e
	Spring loading mounting set			L _ _	f	f	f
	DIN rail mounting clip (top hat or G rail)			D _ _	f	f	f
M20 adaptors	No adaptors required			_ 0 _	•	•	•
	1 adaptor for M20 x 1.5 wiring entry			_ 1 _	•	•	•
	2 adaptors for M20 x 1.5 wiring entry			_ 2 _	•	•	•
3/4"NPT adaptors	1 adaptor for 3/4"NPT wiring entry			_ 3 _	•	•	•
Lightning Protection	No lightning protection supplied			_ _ 0	•	•	•
	Externally Mountable to Field Mount Housing			_ _ L	•	•	•
	Internal lightning protection			_ _ S	•	•	•

TABLE VI - Additional Features

No Selection		00	•	•	•	•
Optional Extended Warranty	Additional Warranty - 1 year	W1	•	•	•	•
Customer Tagging	316 SS Wired-on Customer I.D. Tag (4 lines, 28 chars. per line, customer specified information)	TG	•	•	•	•
	316 SS Wired-on Customer I.D. Tag (blank)	TB	•	•	•	•
Operator's Manual	STT171 Version; English, French, German Language	M1	•			
	STT173 Version; English, French, German Language	M3		•		
	STT17H Version; English, French, German Language	MH			•	

RESTRICTIONS

Restriction Letters	Available Only With		Not Available With	
	Table	Selection	Table	Selection
b	VI	Select only one option from this group		
d	IV	_ N _		
e	IV	E _ _ or T _ _		
f	IV	0 _ _		
g	IV			_ 0E
h	I	00		
	IV	E _ _ or T _ _		

ACCESSORIES

Part Number	
DIN rail clip	50017850-001

** If Custom Configuration option "T" or the Custom Calibration option "C" is ordered, the configuration or calibration information required must be entered as a note on the order. Any of the following elements can be included, based on the selected model number:

(STT171, STT173, STT17H) Tag Number, CJC, Sensor Type, Sensor Wiring, Temperature Units, URV/LRV, Output Range, Output Limits, Sensor Error Action, Response Time.

(STT17F) Tag Number, Sensor Type, URV/LRV, Burnout- High or Low, Response Time

*** Refer to Part Price List (PPL) or Web Channel for pricing.

The minimum value of orders acceptable for Honeywell is USD 500. Handling fee is the amount of the difference between USD 500 and the actual purchase price.