

## STT 3000 Temperature Transmitter Series STT250

Model Selection Guide  
34-44-16U-03 Issue 11

## Model Selection Guide With Price Data

Honeywell Confidential & Proprietary

### Instructions

- Choose availability column based on mounting configuration.  
A dot denotes unrestricted availability. A letter denotes restricted availability.  
Blank denotes unavailable - choose alternate mounting. Restrictions follow Table VII.
- Select the desired Key Number based on the desired communications protocol.
- Select options and approvals from Tables.

Key Number  
STT25\_ - I - II - III - IV - V - VI - VII

### HOW WILL THE UNIT BE MOUNTED?

Module only (no housing), to be DIN rail or wall mounted

Module to be "head mounted" directly to the sensor in smaller housing

Module to be "field mounted" in Explosion-Proof housing remotely from or directly to the sensor

Availability

Key Number	Description	Selection	Availability	Availability	Availability
	Smart Temperature Transmitter Module				
	4-20mA Output, SFC/SCT Configurable	STT25M	♦	♦	♦
	HART Protocol, 4-20mA Output	STT25H	♦	♦	♦
	Digital DE/ 4-20mA Output, for Digital Integration	STT25D	♦	♦	♦
	Dual input, HART Protocol, 4-20mA output	STT25T	♦	♦	♦
	All modules carry the following approvals: CE Mark for compliance to EN 50081-2 and 50082-2 Russian Certificate of Pattern Approval No. 2064 of Jan. 1998 Choose additional safety approvals required in Table VII.				

**TABLE I - Sensor, Probe and Thermowell Accessories**

No Integral Sensor Probe or Thermowell Supplied	0	♦	♦	♦
Sensor Probe and/or Thermowell mounted or tested with STT 3000 <sup>(1)</sup>	1	♦		

**TABLE II - Transmitter Housing and Integral Meters** (Reference EN01-6032 for details)

	No Housing Supplied	0 _ _			♦
	Explosion-Proof Aluminum with Baked on Beige	E _ _	♦		
	Polyester/Epoxy Paint				
	Explosion-Proof Aluminum with Beige Epoxy Paint	X _ _	♦		
	Explosion-Proof 316 Stainless Steel	T _ _	♦		
	Type 4X housing - Beige	C _ _		♦	
	Not Applicable - No Housing Supplied	_ 0 _			♦
	1/2" NPT Cable/ Conduit Entry	_ N _	♦	♦	
	M20 x 1.5 Cable/ Conduit Entry	_ M _		♦	
	No Integral Meter Supplied	_ _ 0	♦	♦	♦
	Analogue Meter for Field Mount Housing	_ _ M	♦		
	<sup>(3)</sup> Smart Digital Meter for Field Mount Housing	_ _ S	♦		

<sup>(1)</sup> See Price Pages 13:TP-1 to 15 for sensor/well selections and pricing.

<sup>(2)</sup> With a Field Mount Housing, 20 characters max. of customer information is available on the nameplate at no charge.  
(See 13:STT-OE pages for ordering instructions.)

<sup>(3)</sup> STT25H, STT25T, and STT25M shipped with Engineering Unit Meter. STT25D shipped with Smart Meter.

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**TABLE III - Configuration, Tagging and Manual**

Selection

Configuration	None - Factory Default Configuration Supplied	0 _ _	◆	◆	◆
	Transmitter Configuration (See 13:STT-OE pages for choices)	T _ _	◆	◆	◆
Customer Tagging <sup>(4)</sup>	No Tagging Required	_ 0 _	◆	◆	◆
	316 SS Wired-on Customer I.D. Tag (4 lines, 28 chars. per line, customer specified information)	_ T _	◆	◆	
	316 SS Wired-on Customer I.D. Tag (blank)	_ B _	◆	◆	
Operator's Manual <sup>(5)</sup>	None	_ _ 0	◆	◆	◆
	English Language Version (one per five units)	_ _ E	◆	◆	◆
	French Language Version (one per five units)	_ _ F	◆	◆	◆
	Spanish Language Version (one per five units)	_ _ S	<b>b</b>	<b>b</b>	<b>b</b>
	Chinese Language Version (one per five units)	_ _ C	<b>b</b>	<b>b</b>	<b>b</b>

**TABLE IV - Optional Equipment**

Mounting Arrangement	No Mounting Arrangement Supplied	0 _ _	◆	◆	◆
	Carbon Steel Mounting Bracket for 2" Pipe	M _ _	◆		
	Stainless Steel Mounting Bracket for 2" Pipe	S _ _	◆		
	Spring Loading Mounting set	L _ _		◆	◆
	DIN Rail Mounting via Clip (to Top Hat or "G" Rail)	D _ _			◆
316 SS Conduit Adaptor for Wiring Entry	No Adaptor(s) Supplied	_ 0 _	◆	◆	◆
	1/2" NPT to M20 x 1.5 : 1 Adaptor	_ 1 _	◆	◆	
	(EEx d IIC approved) : 2 Adaptors	_ 2 _	◆	◆	
	1/2" NPT to 3/4" NPT : 1 Adaptor	_ 3 _	◆		
Lightning Protection	No Lightning Protection Supplied	_ _ 0	◆	◆	◆
	Externally Mountable to Field Mount Housing	_ _ L	<b>e</b>		
	Internal Surge/ Lightning Protection	_ _ S	◆		

**TABLE V - Optional Extended Warranty Coverage & Certificates**

Optional Extended Warranty	Standard Warranty	0 _ _	◆	◆	◆
	Additional Warranty - 1 year	1 _ _	◆	◆	◆
	Additional Warranty - 2 years	2 _ _	◆	◆	◆
	Additional Warranty - 3 years	3 _ _	◆	◆	◆
Optional Certificate <sup>(5)</sup>	No Transmitter Configuration/ Calibration Certificate	_ 0 _	◆	◆	◆
	Transmitter Configuration/ Calibration Certificate	_ D _	◆	◆	◆
	FMEDA (SIL) + Config./ Calibration Certificate	_ S _	<b>g</b>	<b>g</b>	<b>g</b>
	No Certificate of Conformance/ Origin	_ _ 0	◆	◆	◆
	Certificate of Conformance/ Origin	_ _ C	◆	◆	◆
	FMEDA (SIL) + Conformance/ Origin Certificate	_ _ S	<b>g</b>	<b>g</b>	<b>g</b>

**TABLE VI - Additional Features**

No Selection	00	◆	◆	◆
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<sup>(4)</sup> Full model number does not appear on module or head mount housing. If model number is to appear on unit, order wired on tag.

<sup>(5)</sup> Chosen Operator's Manuals and chosen Certificates are automatically shipped with unit.

See 13:STT-OE pages for additional manuals and alternate shipping.

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**TABLE VII - Safety Approvals**

Selection

Approval Body	Approval Type	Location or Classification			
None	No approval body certifications included		00	♦	♦
Factory Mutual	Explosion-Proof	Class I, Div. 1, Groups A,B,C,D	1C	f	
	Dust Ignition-Proof	Class II, III Div. 1, Groups E,F,G			
	Intrinsically Safe	Class I, II, III, Div. 1, Groups A,B,C,D,E,F,G			
	Non-Incendive	Class I, Div. 2, Groups A,B,C,D Suitable for Class II, III, Div. 2, Groups F, G			
	Outdoor Location	NEMA 4X	1J	♦	
	Explosion-Proof	Class I, Div. 1, Groups B,C,D			
	Dust Ignition-Proof	Class II, III, Div. 1 Groups E,F,G			
	Intrinsically Safe	Class I, II, III, Div. 1, Groups A,B,C,D,E,F,G			
	Non-Incendive	Class I, Div. 2, Groups A,B,C,D Suitable for Class II, III, Div. 2, Groups F, G	1G	♦	♦
	Outdoor Location	NEMA 4X			
	Intrinsically Safe	Class I, II, III, Div. 1, Groups A,B,C,D,E,F,G			
	Non-Incendive	Class I, Div. 2, Groups A,B,C,D Suitable for Class II, III, Div. 2, Groups F, G			
CSA	Explosion-Proof	Class I, Div. 1, Groups B,C,D	2J	♦	
	Dust Ignition-Proof	Class II, III, Div. 1, Groups E,F,G Suitable for Class I, II, III, Div. 2, Groups A,B,C,D,E,F,G			
	Intrinsically Safe	Class I, II, III, Div. 1, Groups A,B,C,D,E,F,G			
	Outdoor Location	Enclosure Type 4X	2S	♦	♦
	Intrinsically Safe	Class I, II, III, Div. 1, Groups A,B,C,D,E,F,G			
	Outdoor Location	Enclosure Type 4X			
	Intrinsically Safe	Class I, Div. 2, Groups A,B,C,D Suitable for Class I, Div. 2, Groups A,B,C,D			
	Intrinsically safe Zone 0/1	Ex II 1 G EEx ia IIC T6, T5, T4 (Module)	3S	♦	♦
	Flameproof, zone 1	Ex II 2 G EEx d IIC T6 Enclosure rated IP 66/67	3D	p	♦
	Non-Sparking zone 2	Ex II 3 G EEx nA, T6, Zone 2 (Honeywell) Module to installed in enclosure rated IP 54 minimum	3N	♦	♦
INMETRO	Flameproof, Zone 1	Ex d IIC T6, Enclosure rated IP 66/67	6D	p	
	Intrinsically Safe, Zone 0/1	Ex ia IIC T4, T5, T6, Enclosure rated IP 6	6S	b	b
	Intrinsically Safe, Zone 0/1	Ex ia IIC T4, T5, T6 (Module Only)	6S		b

# RESTRICTIONS

Restriction		Available Only With		Not Available With
Letter	Table	Selection	Table	Selection
b			Key No	STT25T
e			VII	3D
f	II	EN0, XN0, TN0,	I	1
g	Key No.	STT25H, STT25M		See Note6
p	II	E __, X __, T __	I	1

**Note:** See 13:STT-9 or Operator's Manual EN11-6190 for part numbers.  
See 13:STT-OE pages for Order Entry Information including tagging, transmitter configuration, manuals, certificates, drawings and SPINS.  
To request a quotation for a non-published "special", fax RFQ to Marketing Applications at (1) 602 313-6155.  
(6)Standard EU Meter not available with Approvals - If approvals are required, please order as a special.