# ST 3000 Smart Transmitter High Temperature Models Series 100

# Model Selection Guide With Price Data

Model Selection Guide
34-ST-16U-47 Issue 13

Honeywell Confidential & Proprietary

**Instructions**

- Select the desired Key Number. The arrow to the right marks the selection available.
- Make one selection from each Table I and II using the column below the proper arrow.
- Select as many Table III options as desired (if no options or approvals are desired, specify 9X).
  An approval code MUST be selected.
  A (◆) denotes unrestricted availability. A letter denotes restricted availability.
  Restrictions follow Table IV.

| Key Number | | I | | II | | III (Optional) | | IV |
|---|---|---|---|---|---|---|---|---|
| _ _ _ _ _ _ | - | _ _ _ | - | _ _ _ _ _ _ | - | _ _, _ _ | + | XXXX |

**KEY NUMBER**

| Span | Selection | Availablilty | |
|---|---|---|---|
| 0-0.9 to 0-500 psig/0-0.063 to 0-35 barg | STG14T | ↓ | |
| 0-0.9 to 0-500 psig/0-0.063 to 0-35 barg Flange Mount | STF14T | | ↓ |

(The STG & STF14T replaces the STG & STF15T models)

**TABLE I - METER BODY**

| | | Barrier Diaphragm | Process Heads (wetted) | | | |
|---|---|---|---|---|---|---|
| Materials | Sanitary Clamp | 316L SS | | Z _ _ | ◆ | |
| | Threaded | 316L SS | 316 SS | E _ _ | ◆ | |
| | | **Barrier Diaphragm** | **Lower (wetted)** | | | |
| | Flange | 316L SS | 316 SS | E _ _ | | ◆ |
| **Fill Fluid** | Silicone | | | _ 1 _ | ◆ | ◆ |
| | Neobee | | | _ 4 _ | ◆ | ◆ |
| **Process Head Connection** | No Selection | | | _ _ 0 | w | ◆ |
| | 1/2" NPT (female) | | | _ _ G | f | |

**TABLE II FLANGE ASSEMBLY**

| | | | Selection | | |
|---|---|---|---|---|---|
| No Selection | | | 0 _ _ _ _ | ◆ | ◆ |
| Flange | No Selection | | _ 0 _ _ _ | ◆ | |
| | 1/2" ANSI Class 150 | | _ G _ _ _ | | ◆ |
| | 1" ANSI Class 150 | | _ Q _ _ _ | | ◆ |
| | 1" ANSI Class 300 | | _ V _ _ _ | | ◆ |
| | 1 1/2" ANSI Class 150 | | _ W _ _ _ | | ◆ |
| | 1 1/2" ANSI Class 300 | | _ X _ _ _ | | ◆ |
| | 2" ANSI Class 150 | | _ Y _ _ _ | | ◆ |
| | 2" ANSI Class 300 | | _ Z _ _ _ | | ◆ |
| No Selection | | | _ _ 0 _ _ | ◆ | ◆ |
| No Selection | | | _ _ _ 0 _ | ◆ | ◆ |
| Vent/ Drain | No Selection | | _ _ _ _ 0 | ◆ | ◆ |
| | Vent/Drain | 316 SS | _ _ _ _ 1 | | ◆ |


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**Effective Date: January 12, 2004**

## TABLE III - OPTIONS

| | Selection | STF14T | STG14T | |
|---|---|---|---|---|
| | | Availability | | |
| None | 00 | ◆ | ◆ | |
| FOUNDATION Fieldbus Communications | FF | r | r | b |
| HART Protocol compatible electronics | HC | z | z | |
| Analog Meter (0-100 Even 0-10) | ME | | | b |
| Smart Meter | SM | | | |
| Customer Configuration of Smart Meter | CI | e | e | |
| Local Zero | LZ | x | x | b |
| Local Zero and Span | ZS | m | m | |
| Lightning Protection | LP | ◆ | ◆ | |
| Custom Calibration and I.D. in Memory | CC | ◆ | ◆ | |
| Transmitter Configuration | TC | ◆ | ◆ | |
| Write Protection | WP | ◆ | ◆ | |
| End Cap Live Circuit Warning Label in Spanish (only with ATEX 3D) | SP | a | a | |
| End Cap Live Circuit Warning Label in Portuguese (only with ATEX 3D) | PG | a | a | b |
| End Cap Live Circuit Warning Label in Italian (only with ATEX 3D) | TL | a | a | |
| End Cap Live Circuit Warning Label in German (only with ATEX 3D) | GE | a | a | |
| Stainless Steel Customer Tag (blank) | TB | ◆ | ◆ | |
| Viton Process Head Gasket (teflon is standard) | VT | d | ◆ | |
| 316 ST.ST. Electronics Housing - *(with M20 Conduit Connections)* | SH | n | n | |
| M20 316 SS Conduit Adapter | A1 | n | n | b |
| 3/4" NPT 316 SS Conduit Adapter | A2 | y | y | |
| Stainless Steel Housing with M20 to 1/2" NPT 316 SS Conduit Adapter *(use for FM and CSA Approvals)* | A3 | i | i | |
| Calibration Test Report & Certificate of Conformance (F3399) | F1 | ◆ | ◆ | b |
| Certificate of Conformance (F3391) | F3 | ◆ | ◆ | |
| Certificate of Origin (F0195) ("Attestation if Amiens built.") | F5 | ◆ | ◆ | |
| FMEDA (SIL) Certificate | F6 | ◆ | ◆ | |
| NACE Certificate (F0198) | F7 | k | k | |
| Additional Warranty - 1 year | W1 | ◆ | ◆ | |
| Additional Warranty - 2 years | W2 | ◆ | ◆ | b |
| Additional Warranty - 3 years | W3 | ◆ | ◆ | |
| Additional Warranty - 4 years | W4 | ◆ | ◆ | |
| Lifetime Warranty - 15 years | WL | ◆ | ◆ | |

| Approval Body | Approval Type | Location or Classification | | STF14T | STG14T | |
|---|---|---|---|---|---|---|
| | | | | Availability | | |
| No hazardous location approvals | | | 9X | ◆ | ◆ | |
| Factory Mutual | Explosion Proof | Class I, Div. 1, Groups A,B,C,D | 1C | ◆ | ◆ | |
| | Dust Ignition Proof | Class II, III, Div. 1, Groups E,F,G | | | | |
| | Non-Incendive | Class I, II, III, Div. 2, Groups A,B,C,D,F,G | | | | |
| | Intrinsically Safe | Class I, II, III, Div. 1, Groups A,B,C,D,E,F,G | | | | |
| | Explosion Proof | Class I, Div. 1, Groups B,C,D | | | | |
| CSA | Dust Ignition Proof | Class II, III, Div. 1 Groups E,F,G | 2J | ◆ | ◆ | b |
| | Intrinsically Safe | Class I, II, III, Div. 1, Groups A,B,C,D,E,F,G | | | | |
| | Suitable for use in | Class I, II, III, Div. 2, Groups A,B,C,D,E,F,G | | | | |
| SA | Intrinsically Safe | Ex ia IIC T4 | 4G | ◆ | ◆ | |
| | Non-Sparking | Ex n IIC T6 | | | | |
| ATEX* | Intrinsically Safe Zone 0/1 | Ex II 1 G EEx ia IIC T4, T5,T6 | 3S | ◆ | ◆ | |
| | Flameproof, Zone 1 | Ex II 2 G EEx d IIC T5, T6, Enclosure IP 66/67 | 3D | ◆ | ◆ | |
| | Non-Sparking Zone 2 | Ex II 3 G EEx nA, IIC T6 (Honeywell). Enclosure IP 66/67 | 3N | ◆ | ◆ | |
| INMETRO (Brazil) | Flameproof, Zone 1 | Ex d IIC T5 | 6D | ◆ | ◆ | |

*See ATEX installation requirements in the ST 3000 User's Manual

97/23/EC Pressure Equipment Directive (PED)

The ST 3000 pressure transmitters listed in this Model Selection Guide are in conformity with the essential requirements of the PED. A formal statement from TÜV Industry Service Group of TÜV America, Inc., a division of TÜV Süddeutschland, a Notified Body regarding the Pressure Equipment Directive, is available upon request

**TABLE IV**

| | | | |
|---|---|---|---|
| Factory Identification | XXXX | ◆ | ◆ |

**RESTRICTIONS**

| Restriction | | Available Only With | | Not Available With |
|---|---|---|---|---|
| **Letter** | **Table** | **Selection** | **Table** | **Selection** |
| **a** | III | 3D | | |
| **b** | III | Select only one option from this group. | | |
| **d** | I | E _ _ | | |
| **e** | III | SM | | |
| **f** | | | I | Z _ _ |
| **i** | III | 1C or 2J | | |
| **k** | III | CR | | |
| **m** | | | III | FF, ME |
| **n** | | | III | 1C, 2J |
| **r** | | | III | TC, ME, 4G, 3S |
| **w** | I | Z _ _ | | |
| **x** | III | FF, SM | | |
| **y** | III | 1C, 2J | | |
| **z** | | | III | 4G |

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