

ST 3000 Smart Transmitter Gage Pressure (GP) & Absolute Pressure (AP) Series 100

Model Selection Guide with Price Data

Model Selection Guide
34-ST-16-03 Issue 30

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).
A (*) denotes unrestricted availability. A letter denotes restricted availability.
Restrictions follow Table IV.

List Price equals the sum of all selections made.

Key Number I II III (Optional) IV
 [] - [] - [] - [] + [] XXXX

KEY NUMBER			Selection	Availability			
	Design	Span					
Gage Pressure	Head	0-5 to 0-500 psi/0-0.34 to 0-35 bar	STG140	↓			
		0-100 to 0-3000 psi/0-7 to 0-210 bar	STG170	↓			
		0-100 to 0-6000 psi/0-7 to 0-420 bar	STG180				↓
	In-Line	0-5 to 0-500 psi/0-0.34 to 0-35 bar	STG14L				↓
		0-100 to 0-3000 psi/0-7 to 0-210 bar	STG17L				↓
		0-100 to 0-6000 psi/0-7 to 0-420 bar	STG18L				↓
0-200 to 0-10000 psi/0-14 to 0-690 bar		STG19L				↓	
Absolute Pressure	Single Head	0-50 to 0-780 mm HgA/0-67 to 0-1040 mbarA	STA122	↓			
		0-5 to 0-500 psi/0-0.34 to 0-35 bar absolute	STA140		↓		

TABLE I - METER BODY

	Wetted Process Heads	Vent/Drain Valves **	Barrier Diaphragms				
	Materials of Construction	Carbon Steel *	-	316 LSS	A __	♦	♦
Carbon Steel *		-	Hastelloy C	B __	♦	♦	♦
Carbon Steel *		-	Monel	C __	♦	♦	♦
316 St. St. ***		-	316 LSS	E __	♦	♦	♦
316 St. St. ***		-	316 LSS	E __			♦
316 St. St. ***		-	Hastelloy C	F __	♦	♦	♦
316 St. St. ***		-	Hastelloy C	F __			♦
316 St. St.		-	Monel	G __	♦	♦	
Hastelloy C		-	Hastelloy C	J __	♦	♦	♦
Monel		-	Monel	L __	♦	♦	
Fill Fluid	Silicone DC200 ****			_ 1 _	♦	♦	♦
	CTFE			_ 2 _	♦	♦	♦
Process Head Configuration	9/16" - 18 Aminco			_ _ A	♦	♦	♦
	1/2 NPT (female)			_ _ G	♦	♦	♦

* Carbon Steel heads are zinc-plated. Not recommended for water service due to hydrogen migration. Use Stainless Steel heads.

** Vent/Drains are Teflon coated for lubricity.

*** STG1XL has 316 SS process interface.

**** If STA122 operating below 50mm HgA, see Figure 2 in Specification 34-ST-03-61 and contact Marketing Applications for a "Special" Silicone DC704 quote.

STG170, STG180

STA140

STA122

STG140

STG14L

STG17L,

STG18L

STG19L

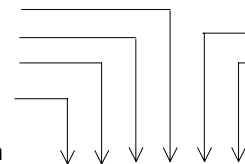


TABLE II

Selection

No Selection	00000	*	*	*	*	*	*
--------------	-------	---	---	---	---	---	---

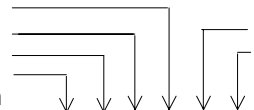
TABLE III - OPTIONS

None	00	*	*	*	*	*	*
FOUNDATION Fieldbus Communications	FF	r	r	r	r	r	r
HART Protocol compatible electronics	HC	y	y	y	y	y	y
Analog Meter (0-100 Even 0-10 Square Root)	ME	*	*	*	*	*	*
Smart Meter	SM	*	*	*	*	*	*
Local Zero & Span	ZS	m			m	m	m
Local Zero	LZ	x			x	x	x
Lightning Protection	LP	*	*	*	*	*	*
Custom Calibration and I.D. in Memory	CC	*	*	*	*	*	*
Transmitter Configuration - non-Fieldbus	TC	*	*	*	*	*	*
Write Protection	WP	*	*	*	*	*	*
A286SS (NACE) Bolts and 302/304SS (NACE) Nuts for Head	CR	*	*	*	*	*	*
Stainless Steel Customer Wired-On Tag (4 lines, 28 characters per line, customer supplied information)	TG	*	*	*	*	*	*
Stainless Steel Customer Wired-On Tag (blank)	TB	*	*	*	*	*	*
Modified DIN Process Heads - 316SS	DN	w	w	w	w	*	*
Viton Process Head Gasket (Teflon is standard)	VT	z			z	*	*
Mounting Bracket - Carbon Steel	MB	*	*	*	*	*	*
Mounting Bracket - ST. ST.	SB	*	*	*	*	*	*
Flat Mounting Bracket - Carbon Steel	FB	*	*	*	*	*	*
316 ST.ST. Electronics Housing - (with M20 Conduit Connections)	SH	n	n	n	n	n	n
1/2" NPT to M20 316SS Conduit Adapter (BASEEFA EEx d IIC)	A1	n	n	n	n	n	n
1/2" NPT to 3/4" NPT 316 SS Conduit Adapter	A2	u	u	u	u	u	u
Stainless Steel Housing with M20 to 1/2" NPT 316 SS Conduit Adapter (use for FM and CSA Approvals)	A3	i	i	i	i	i	i
Clean Transmitter for Oxygen or Chlorine Service with Certificate	0X	h	h	h	h	h	h
Over-Pressure Leak Test with F3392 Certificate	TP	*	*	*	*	*	*
Calibration Test Report and Certificate of Conformance (F3399)	F1	*	*	*	*	*	*
Certificate of Conformance (F3391)	F3	*	*	*	*	*	*
Certificate of Origin (F0195)	F5	*	*	*	*	*	*
FMEDA (SIL) Certificate	F6	*	*	*	*	*	*
NACE Certificate (F0198)	F7	o	o	o	o	*	*
Additional Warranty - 1 year	W1	*	*	*	*	*	*
Additional Warranty - 2 years	W2	*	*	*	*	*	*
Additional Warranty - 3 years	W3	*	*	*	*	*	*
Additional Warranty - 4 years	W4	*	*	*	*	*	*
Lifetime Warranty - 15 years	WL	*	*	*	*	*	*
High Accuracy	HA	*	*	*	*	*	*

STG170, STG180
 STA140
 STA122
 STG140

STG14L
 STG17L, STG18L

Selection



Approval Body	Approval Type	Location or Classification							
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, Div. 2, Groups A,B,C,D							
	Intrinsically Safe	Class I, II, III, Div. 1, Groups A,B,C,D,E,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							
	Intrinsically Safe	Class I, II, III, Div. 1, Groups A,B,C,D,E,F,G							
Zone 2 (Europe)	Self-Declared per 94/9/EC (ATEX4)	Ex II 3 GD T ⁽¹⁾ X (1) T4 at Tamb. 93°C, T5 at Tamb. 80°C, T6 at Tamb. 65°C	3N	*	*	*	*	*	*
SA (Australia)	Intrinsically Safe	Ex ia IIC T4	4G	*	*	*	*	*	*
	Non-Sparking	Ex n IIC T6 (T4 with SM option)							
LCIE	Flame Proof/ CENELEC	EEx d IIC T6	3A	*	*	*	*	*	*
	Intrinsically Safe/ CENELEC	EEx ia IIC T5 ⁽¹⁾ ⁽¹⁾ HC Option T4 @ 93°C, T5 @ 63°C							
	Flame Proof/ CENELEC	EEx d IIC T6							

b

TABLE IV

Factory Identification	XXXX	*	*	*	*	*	*
------------------------	------	---	---	---	---	---	---

RESTRICTIONS

Restriction	Available Only With	Not Available With
Letter	Table	Selection
a		Pending
b		Select only one option from this group
h		_ 2 _
i	III	1C or 2J
m		III
n		III
o	III	CR
r		III
u	III	1C, 2J
w	I	E _ G, F _ G, G _ G
x	III	FF, SM
z		I
y		III

Note: See ST-83 for Published Specials with pricing.
 See ST-89 and User's Manual for part numbers.
 See ST-OE-9 for OMS Order Entry Information including TC, manuals, certificates, drawings and SPINS.
 See ST-OD-1 for tagging, ID, Transmitter Configuration (TC) and calibration including factory default values.
 To request a quotation for a non-published "special", fax RFQ to Marketing Applications.

Next Page Blank

This page intentionally blank.