

ST 3000 Series 900 Smart Transmitter Differential Pressure (DP)

Model Selection Guide With Price Data

Model Selection Guide
34-ST-16U-24 Issue 27

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.

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

KEY NUMBER	Selection	Availability
Span		
0-10" to 0-400" H ₂ O/0-25 to 0-1000 mbar Body Rating: 3000 psi (210 bar)	STD924	↓
0-5 to 0-100 psi/0-0.34 to 0-7 bar Body Rating: 3000 psi (210 bar)	STD930	↓
0-100 to 0-3000 psi/0-7 to 0-210 bar Body Rating: 4500 psi (315 bar)	STD974	↓

TABLE I - METER BODY

	Wetted Process Heads	Vent/Drain Valves ** and Plugs	Barrier Diaphragms			
Material of Construction	Carbon Steel *	316 St. St.	316 LSS	A _ _	♦	♦ ♦
	Carbon Steel *	316 St. St.	Hastelloy C	B _ _	♦	♦ ♦
	Carbon Steel *	316 St. St.	Monel	C _ _	♦	♦ ♦
	Carbon Steel *	316 St. St.	Tantalum	D _ _	♦	♦ ♦
	316 St. St.	316 St. St.	316 LSS	E _ _	♦	♦ ♦
	316 St. St.	316 St. St.	Hastelloy C	F _ _	♦	♦ ♦
	316 St. St.	316 St. St.	Monel	G _ _	♦	♦ ♦
	316 St. St.	316 St. St.	Tantalum	H _ _	♦	♦ ♦
	Hastelloy C	Hastelloy C	Hastelloy C	J _ _	♦	♦ ♦ v
	Hastelloy C	Hastelloy C	Tantalum	K _ _	v	v v
	Monel	Monel	Monel	L _ _	v	v v
Fill Fluid	Silicone			_ 1 _	♦	♦ ♦
	CTFE			_ 2 _	♦	♦ ♦
Process Head Configuration	1/4" NPT			_ _ A	♦	♦ ♦
	1/2" NPT with Adapter (on 1/4" NPT Head)			_ _ H	t	t t

TABLE II

No Selection	00000	♦	♦ ♦
--------------	-------	---	-----

* 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.

Industrial Measurement and Control, 2500 W. Union Hills Drive, Phoenix, AZ 85027

Printed in U.S.A. Copyright 2004 - Honeywell International Inc.

TABLE III - OPTIONS

	Selection	Availability		
		24	30	74
None	00	♦	♦	♦
Communication Protocols				
HART [®] Protocol Compatible Electronics	HC	e	e	e
FOUNDATION Fieldbus Communications	FF	r	r	r
Indicating Meter Options				
Analog Meter (0-100 Even 0-10 Square Root)	ME	♦	♦	♦
Smart Meter	SM	♦	♦	♦
Custom Configuration of Smart Meter	CI	m	m	m
Local Zero	LZ	x	x	x
Local Zero and Span	ZS	s	s	s
Transmitter Housing & Electronics Options				
Lightning Protection	LP	♦	♦	♦
Custom Calibration and I.D. in Memory	CC	♦	♦	♦
Transmitter Configuration	TC	♦	♦	♦
Write Protection	WP	♦	♦	♦
316 ST.ST. Electronics Housing - <i>with M20 Conduit Connections</i>	SH	n	n	n
1/2" NPT to M20 316SS Conduit Adapter (BASEEFA EE x d IIC)	A1	n	n	n
1/2" NPT to 3/4" NPT 316 SS Conduit Adapter	A2	i	i	i
Stainless Steel Housing with M20 to 1/2" NPT 316 SS Conduit Adapter (<i>use for FM and CSA Approvals</i>)	A3	i	i	i
Stainless Steel Customer Wired-On Tag	TG	♦	♦	♦
(4 lines, 28 characters per line, customer supplied information)				
Stainless Steel Customer Wired-On Tag (blank)	TB	♦	♦	♦
Low Temperature - -50°C Ambient Limit	LT	♦		
End Cap Live Circuit Warning Label in Spanish (only with ATEX 3D)	SP	a	a	a
End Cap Live Circuit Warning Label in Portuguese (only with ATEX 3D)	PG	a	a	a
End Cap Live Circuit Warning Label in Italian (only with ATEX 3D)	TL	a	a	a
End Cap Live Circuit Warning Label in German (only with ATEX 3D)	GE	a	a	a
Meter Body Options				
316 SS Bolts and 316 SS Nuts for Process Heads	SS	k	k	♦
B7M Bolts and Nuts for Process Heads	B7	k	k	♦
NACE A286SS Bolts and 304SS Nuts for Process Heads	CR	♦	♦	♦
316SS Adapter Flange - 1/2" NPT with CS Bolts	S2	c	c	c
316SS Adapter Flange - 1/2" NPT with 316SS Bolts	S3	k	k	c
316SS Adapter Flange - 1/2" NPT with NACE A286 Bolts	S4	k	k	c
316SS Adapter Flange - 1/2" NPT with B7M Bolts	S5	k	k	c
Hastelloy C Adapter Flange - 1/2" NPT with CS Bolts	T2	c	c	c
Hastelloy C Adapter Flange - 1/2" NPT with 316SS Bolts	T3	k	k	c
Monel Adapter Flange - 1/2" NPT with CS Bolts	V2	c	c	c
Monel Adapter Flange - 1/2" NPT with 316SS Bolts	V3	k	k	c
316SS Blind Adapter Flange with CS Bolts	B3	k	k	c
316SS Blind Adapter Flange with 316SS Bolts	B4	k	k	c
316SS Blind Adapter Flange with NACE A286 Bolts	B5	k	k	c
316SS Blind Adapter Flange with B7M Bolts	B6	k	k	c
Side Vent/Drain (End Vent Drain is standard)	SV	♦	♦	♦
SS Center Vent Drain and Bushing	CV	♦	♦	
Blind DIN SS Flanges Mounted with NACE Bolts	B2	d	d	
Modified DIN Process Heads - 316SS	DN	w	w	
Viton Process Head Gaskets (adapter gaskets ordered separately)	VT	z	z	♦
Viton Flange Adaptor Gaskets	VT	k	k	♦
Transmitter Mounting Brackets Options				
Transmitter Mounting Brackets Options				
Mounting Bracket - Carbon Steel	MB	♦	♦	♦
Mounting Bracket - ST. ST.	SB	♦	♦	♦
Flat Mounting Bracket - Carbon Steel	FB	♦	♦	♦
Services/Certificates Options				
Clean Transmitter for Oxygen or Chlorine Service with Certificate	0X	j	j	j
Over-Pressure Leak Test with F3392 Certificate	TP	♦	♦	♦
Calibration Test Report and Certificate of Conformance (F3399)	F1	♦	♦	♦
Certificate of Conformance (F3391)	F3	♦	♦	♦

TABLE III - OPTIONS (continued)

	Selection	STD9			Availability
		24	30	74	
Certificate of Origin (F0195)	F5	♦	♦	♦	b
FMEDA (SIL) Certificate	F6	♦	♦	♦	
NACE Certificate (F0198)	F7	o	o	o	
Warranty Options					
Additional Warranty - 1 year	W1	♦	♦	♦	
Additional Warranty - 2 years	W2	♦	♦	♦	
Additional Warranty - 3 years	W3	♦	♦	♦	
Additional Warranty - 4 years	W4	♦	♦	♦	

TABLE III - OPTIONS (continued)

Approval Body			Approval Type			Location or Classification			Selection			24	30	74
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											
SA (Australia)	Intrinsically Safe		Ex ia IIC T4						4G	♦	♦	♦		
	Non-Sparking		Ex n IIC T6 (T4 with SM option)											
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	♦	f	♦		
	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 Letter	Table	Available Only With Selection	Table	Not Available With Selection
a	III	3D		
b		Select only one option from this group		
c	I	__ H		
d	I	E __, F __		
	III	DN		
e			III	4G
g			I	K __, L __
				includes side vent no price add
h			I	C __, G __, L __
i	III	1C or 2J		
j	I	_ 2 _		
k	I	C_H, D_H, G_H, H_H, K_H, L_H		
m	III	SM		
n			III	1C, 2J
o	III	CR,S4,B5		
r			III	TC, ME, 4G,3S
s			III	FF, ME
t	III	Select from Table III S2,S3,S4		
	III	S5,T2,T3,V2,V3,B3,B4,B5,B6		
w	I	E _ A, F _ A	III	SV
x	III	FF, SM		
y			I	J __, includes side vent, no price add
			III	DN
z			I	B __, F __, J __

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.