

Honeywell 壓力傳送器 STG700系列 選型表

Model Selection Guide_

Model Selection Guides are subject to change and are inserted into the specifications as guidance only.

Model STD700 Differential Pressure Transmitter

Model Selection Guide:
34-ST-16-121 Issue 4

Instructions: Make selections from all Tables: Key through XIII using column below the proper arrow. Asterisk indicates availability. Letter (a) refer to restrictions highlighted in the restrictions table. Tables delimited with dashes.

Key	I	II	III	IV	V	VI	VII	VIII	IX
STD7__	-	-	-	-	-	-	-	-	0000

KEY NUMBER	URL	LRL	Max Span	Min Span	Units
a. Measurement Range	400/(1000)	-400/(-1000)	400/(1000)	4.0 (10)	" H ₂ O (mbar)
	100 (7.0)	-100 (-7.0)	100 (7.0)	1 (0.07)	psi (bar)
	3000 (210)	-100 (-7.0)	3000 (210)	30 (2.1)	psi (bar)

Selection	Availability
STD725	↓
STD735	↓
STD775	↓

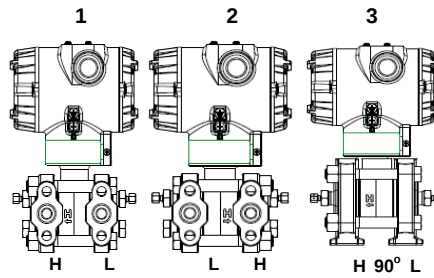
TABLE I	METER BODY SELECTIONS			
a. Process Wetted Heads & Diaphragm Materials	Process Head Material		Diaphragm Material	
	Plated Carbon Steel		316L Stainless Steel Hastelloy® C-276	
	316 Stainless Steel		316L Stainless Steel Hastelloy C-276	
	Hastelloy C-276		Hastelloy C-276	
b. Fill Fluid	Silicone Oil 200 Fluorinated Oil CTFE			
c. Process Connection	None 1/2" NPT female	None (1/4" NPTF female thread Std) Materials to Match Head & Head Bolt Materials Selections ¹		
d. Bolt/Nut Materials	Carbon Steel 316 SS Grade 660 (NACE A286) with NACE 304 SS Nuts Grade 660 (NACE A286) Bolts & Nuts Super Duplex			
e. Vent/Drain Type/Location	Head Type	Vent Type	Location	Vent Material
	Single Ended	None	None	None
	Single Ended	Standard Vent	Side	Matches Head Material ¹
	Single Ended	Center Vent	Side	Stainless Steel Only
	Dual Ended	Standard Vent	End	Matches Head Material ¹
	Dual Ended	Center Vent	End	Stainless Steel Only
Dual Ended	Std Vent/Plug	Side/End	Matches Head Material ¹	
f. Gasket Material	Teflon® or PTFE (Glass Filled) Viton® or Fluorocarbon Elastomer Graphite			
g. Static Pressure	Standard Static Pressure - 4500 psig (315 bar)			

A	*	*	*
B	*	*	*
E	*	*	*
F	*	*	*
J	*	*	*
1	*	*	*
2	*	*	*
A	*	*	*
H	*	*	*
C	*	*	*
S	*	*	*
N	*	*	*
K	p	p	p
D	p	p	p

1	*	*	*
2	*	*	*
3	t	t	t
4	*	*	*
5	t	t	t
6	*	*	*
A	*	*	*
B	*	*	*
C	*	*	*
S	*	*	*

¹Except Carbon Steel Heads shall use 316SS Vent/Drain, Plugs & Adapters when required

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TABLE II	Meter Body & Connection Orientation	
Head/Connect Orientation	Standard	High Side Left, Low Side Right ² / Std Head Orientation
	Reversed	Low Side Left, High Side Right ² / Std Head Orientation
	90/Standard	High Side Left, Low Side Right ² / 90° Head Rotation

1	*	*	*
2	*	*	*
3	h	h	h

TABLE III	Agency Approvals (see data sheet for Approval Code Details)		
Approvals	No Approvals Required		
	FM Explosion proof, Intrinsically Safe, Non-incendive, & Dustproof		
	CSA Explosion proof, Intrinsically Safe, Non-incendive, & Dustproof		
	ATEX Explosion proof, Intrinsically Safe & Non-incendive		
	IECEX Explosion proof, Intrinsically Safe & Non-incendive		
	SAEX/CCoE Explosion proof, Intrinsically Safe & Non-incendive		
	INMETRO Explosion proof, Intrinsically Safe & Non-incendive		
	NEPSI Explosion proof, Intrinsically Safe & Non-incendive		
	EAC-Customs Union(Russia,Belarus and Kazakhstan)EX Approval Flameproof,Intrinsically Safe		

0	*	*	*
A	*	*	*
B	*	*	*
C	*	*	*
D	*	*	*
E	*	*	*
F	*	*	*
G	*	*	*
I	*	*	*

TABLE IV	TRANSMITTER ELECTRONICS SELECTIONS		
a. Electronic Housing Material & Connection Type	Material	Connection	Lightning Protection
	Polyester Powder Coated Aluminum	1/2 NPT	None
	Polyester Powder Coated Aluminum	M20	None
	Polyester Powder Coated Aluminum	1/2 NPT	Yes
	Polyester Powder Coated Aluminum	M20	Yes
	316 Stainless Steel (Grade CF8M)	1/2 NPT	None
	316 Stainless Steel (Grade CF8M)	M20	None
	316 Stainless Steel (Grade CF8M)	1/2 NPT	Yes
	316 Stainless Steel (Grade CF8M)	M20	Yes
b. Output/ Protocol	Analog Output		Digital Protocol
	4-20mA dc		HART Protocol
c. Customer Interface Selections	Indicator	Ext Zero, Span & Config Buttons	Languages
	None	None	None
	None	Yes (Zero/Span Only)	None
	Standard (w/Internal Zero,Span & Config Buttons)	None	English
	Standard (w/Internal Zero,Span & Config Buttons)	Yes	English

A__	*	*	*
B__	*	*	*
C__	*	*	*
D__	*	*	*
E__	*	*	*
F__	*	*	*
G__	*	*	*
H__	*	*	*

H	*	*	*
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__ 0	*	*	*
__ A	*	*	*
__ S	*	*	*
__ T	*	*	*

TABLE V	CONFIGURATION SELECTIONS		
a. Application Software	Diagnostics		
	Standard Diagnostics		
b. Output Limit, Failsafe & Write Protect Settings	Write Protect	Fail Mode	High & Low Output Limits ³
	Disabled	High> 21.0mAdc	Honeywell Std (3.8 - 20.8 mAdc)
	Disabled	Low< 3.6mAdc	Honeywell Std (3.8 - 20.8 mAdc)
	Enabled	High> 21.0mAdc	Honeywell Std (3.8 - 20.8 mAdc)
	Enabled	Low< 3.6mAdc	Honeywell Std (3.8 - 20.8 mAdc)
c. General Configuration	Factory Standard		
	Custom Configuration (Unit Data Required from customer)		

1__	*	*	*
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__ 1	*	*	*
__ 2	*	*	*
__ 3	*	*	*
__ 4	*	*	*
__ S	*	*	*
__ C	*	*	*

² Left side/Right side as view ed from the customer connection perspective

³ NAMUR Output Limits 3.8 - 20.5mAdc can be configured by the customer or select custom configuration Table Vc

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TABLE VI	CALIBRATION & ACCURACY SELECTIONS		
a. Accuracy and Calibration	Accuracy	Calibrated Range	Calibration Qty
	Standard	Factory Std	Single Calibration
	Standard	Custom (Unit Data Required)	Single Calibration

A	*	*	*
B	*	*	*

TABLE VII	ACCESSORY SELECTIONS	
a. Mounting Bracket	Bracket Type	Material
	None	None
	Angle Bracket	Carbon Steel
	Angle Bracket	304 SS
	Angle Bracket	316 SS
	Marine Approved Bracket	304 SS
	Flat Bracket	Carbon Steel
	Flat Bracket	304 SS
	Flat Bracket	316 SS
b. Customer Tag	Customer Tag Type	
	No customer tag	
c. Unassembled Conduit Plugs & Adapters	Unassembled Conduit Plugs & Adapters	
	No Conduit Plugs or Adapters Required	
	1/2 NPT Male to 3/4 NPT Female 316 SS Certified Conduit Adapter	
	1/2 NPT 316 SS Certified Conduit Plug	
	M20 316 SS Certified Conduit Plug	

0	---	*	*	*
1	---	*	*	*
2	---	*	*	*
3	---	*	*	*
4	---	*	*	*
5	---	*	*	*
6	---	*	*	*
7	---	*	*	*

-	0	---	*	*	*
-	1	---	*	*	*

--	A0	*	*	*
--	A2	n	n	n
--	A6	n	n	n
--	A7	m	m	m

TABLE VIII	OTHER Certifications & Options: (String in sequence comma delimited (XX, XX, XX,...))
Certifications & Warranty	None - No additional options
	NACE MR0175; MR0103; ISO15156 Process wetted parts only
	NACE MR0175; MR0103; ISO15156 Process wetted and non-wetted parts
	Marine (DNV,ABS,BV,KR,LR)
	EN10204 Type 3.1 Material Traceability
	Certificate of Conformance
	Calibration Test Report & Certificate of Conformance
	Certificate of Origin
	FMEDA (SIL 2/3) Certification
	Over-Pressure Leak Test Certificate (1.5X MAWP)
	Cert Clean for O ₂ or CL ₂ service per ASTM G93
	PM Certification ^a
	Extended Warranty Additional 1 year
	Extended Warranty Additional 2 years
	Extended Warranty Additional 3 years
	Extended Warranty Additional 4 years

00	*	*	*	b
FG	*	*	*	
F7	c	c	c	
MT	d	d	d	
FX	*	*	*	b
F3	*	*	*	
F1	*	*	*	
F5	*	*	*	
FE	j	j	j	b
TP	*	*	*	
OX	e	e	e	
PM	*	*	*	
01	*	*	*	b
02	*	*	*	
03	*	*	*	
04	*	*	*	

TABLE IX	Manufacturing Specials
Factory	Factory Identification

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