

ST3000 Series 900

Electric Pressure Transmitter Model STG940 (Low Gage Pressure)

Model No. : STG940 - I II III - 00000 - Option I - Option II

Basic Model No.

Issued : Jun. 1, 2002	Page : 1-1-7(F)
Effective : Jul. 1, 2005	UNIT : 1000YEN

Fieldbus

Measuring Span	35 to 3500kPa (0.35 to 35kgf/cm ²)	STG940
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Selection I				Code	Price	Material Code													
I	Material	Meter Body Cover	Adapter Flange	Vent/Drain Plugs	Wetted Parts of Center Body		A	B	D	E	F	H	U	M	P	8	9		
		Carbon steel	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316		A												
		Carbon steel	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C		B												
		Carbon steel	SCS14A*1	SUS316	Diaphragm : Tantalum Others : Tantalum		D												
		SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316		E												
		SCS14A*1	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C		F												
		SCS14A*1	SCS14A*1	SUS316	Diaphragm : Tantalum Others : Tantalum		H												
		SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316L		U												
		PVC	PVC	PVC	Diaphragm : Hastelloy C Others : Hastelloy C *8		M												
		PVC	PVC	PVC	Diaphragm : Tantalum Others : Tantalum *8		P												
II	Fill Fluid	Regular type (Silicone oil)			1	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		For oxygen service (Fluorine oil) *3			2	18				✓	✓	✓	✓	✓	✓	✓	✓		
		For chlorine service (Fluorine oil) *3			5	18				✓	✓	✓	✓	✓	✓	✓	✓		
III	Process connection	Front Connection	Rc1/2 with adapter flange		L	3	✓	✓		✓	✓						✓		
			1/2NPT internal thread with adapter flange		G	3	✓	✓		✓	✓							✓	
			Rc1/4 with adapter flange		D	3	✓	✓		✓	✓							✓	
			1/4NPT internal thread with adapter flange		A	3	✓	✓		✓	✓							✓	
			1/4NPT internal thread on head		B	0	✓	✓		✓	✓							✓	
			Rc1/2 with adapter flange *7		Q	13				✓			✓	✓	✓	✓	✓	✓	✓
			1/2NPT internal thread with adapter flange *7		R	13				✓			✓	✓	✓	✓	✓	✓	✓
		Top or Bottom Connection	Rc1/4 with adapter flange *7		S	13				✓		✓	✓	✓	✓	✓	✓	✓	
			1/4NPT internal thread with adapter flange *7		T	13				✓		✓	✓	✓	✓	✓	✓	✓	
			1/4NPT internal thread on head		U	0				✓		✓	✓	✓	✓	✓	✓	✓	
					-														
							00000												
Options I		No options				X	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Built-in indicating smart meter(0 to 100% liner scales)				P	20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Built-in indicating smart meter(engineering unit scales)				R	30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SUS304 Bolt and nuts material				W	11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SUS630 Bolt and nuts material				U	35	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Corrosion-resistant finish				A	11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Corrosion-proof finish				B	14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Corrosion-resistant finish, silver paint				D	16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Oil Free finish				K	10				✓	✓	✓	✓	✓	✓	✓	✓		
	Long Vent/drain plugs				J	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	FM Explosionproof				3	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	ATEX Flameproof				6	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Options II	No option				XX	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Water free finish (with Oil free finish)				A7	17				✓	✓	✓	✓	✓	✓	✓	✓		
	NEPSI Flameproof				C1	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Custom calibration				C7	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	FOUNDATION fieldbus *33				D6	75	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	One Elbow				E1	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Two Elbows				E2	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Mounting bracket				E9	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Side vent/drain top				F1	4	✓	✓		✓						✓			
	Side vent/drain bottom				F2	4	✓	✓		✓						✓			
	Material certificate				H2	21	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Fieldbus communication stack BASIC class (used with option D6) *33				L1	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SI unit				U1	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

*1 SCS14A (Equivalent SUS316) or SUSF316

*3 In case "For oxygen or chlorine (Fluorine oil) service" is used, "oil free finish - code K" must be selected.

*7 Applicable for wetted parts of center body material ;Tantalum,SUS316L

*8 SUS304 bolts and nuts material (-W) must be selected when PVC meterbody cover is selected (-M or -P).The max. working pressure is 1.5MPa.

*33 "FOUNDATION™" fieldbus - code D6" and "Fieldbus communication stack BASIC class - code L1" must be selected.

ST3000 Series 900

Electric Pressure Transmitter

Model STG960 (Medium Gage Pressure)

Model No. : STG960 - I II III - 00000 - Option I - Option II

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Effective : Jul. 1, 2005	UNIT : 1000YEN

Fieldbus

Basic Model No.

Measuring Span	0.7 to 14MPa (7.0 to 140kgf/cm ²)	STG960
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Selection I		Code	Price	Material Code															
I	Material	Meter Body Cover	Adapter Flange	Vent/Drain Plugs	Wetted Parts of Center Body			A	B	D	E	F	H	U	8	9			
		Carbon steel	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316	A	305												
		Carbon steel	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	B	346												
		Carbon steel	SCS14A*1	SUS316	Diaphragm : Tantalum Others : Tantalum	D	401												
		SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316	E	305												
		SCS14A*1	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	F	341												
		SCS14A*1	SCS14A*1	SUS316	Diaphragm : Tantalum Others : Tantalum	H	404												
		SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316L	U	404												
II	Fill Fluid	Regular type (Silicone oil)				1	0												
		For oxygen service (Fluorine oil) *3				2	18												
		For chlorine service (Fluorine oil) *3				5	18												
III	Process Connection	Front Connection	Rc1/2 with adapter flange		L	3													
			1/2NPT internal thread with adapter flange		G	3													
			Rc1/4 with adapter flange		D	3													
			1/4NPT internal thread with adapter flange		A	3													
			1/4NPT internal thread on head		B	0													
			Top or Bottom Connection	Rc1/2 with adapter flange *7		Q	13												
				1/2NPT internal thread with adapter flange *7		R	13												
				Rc1/4 with adapter flange *7		S	13												
				1/4NPT internal thread with adapter flange *7		T	13												
				1/4NPT internal thread on head *7		U	0												
					-														
					00000														
					-														
Options I	No options		X	0															
	Built-in indicating smart meter(0 to 100% liner scales)		P	20															
	Built-in indicating smart meter(engineering unit scales)		R	30															
	SUS304 Bolt and nuts material *11		W	11															
	SUS630 Bolt and nuts material		U	35															
	Corrosion-resistant finish		A	11															
	Corrosion-proof finish		B	14															
	Corrosion-resistant finish, silver paint		D	16															
	Oil Free finish		K	10															
	Long Vent/drain plugs		J	5															
	FM Explosionproof		3	8															
	ATEX Flameproof		6	7															
						-													
Options II	No option		XX	0															
	Water free finish (with Oil free finish)		A7	17															
	NEPSI Flameproof		C1	8															
	Custom calibration		C7	5															
	FOUNDATION fieldbus *33		D6	75															
	One Elbow		E1	2															
	Two Elbows		E2	4															
	Mounting bracket		E9	2															
	Side vent/drain top		F1	4															
	Side vent/drain bottom		F2	4															
	Material certificate		H2	21															
	Fieldbus communication stack BASIC class (used with option D6)*33		L1	0															
	SI unit		U1	5															

*1 SCS14A (Equivalent SUS316) or SUSF316

*3 In case "For oxygen or chlorine (Fluorine oil) service" is used, "oil free finish - code K" must be selected.

*7 Applicable for wetted parts of center body material ;Tantalum,SUS316L

*11 When SUS304 bolt/nut is selected, max working pressure rating is 7MPa(70kgf/cm2).

*33 "FOUNDATION"™ fieldbus - code D6" and "Fieldbus communication stack BASIC class - code L1" must be selected.

ST3000 Series 900
Electric Pressure Transmitter
Model STG981 (High Gage Pressure)

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Effective : Jul. 1, 2005	UNIT : 1000YEN

Fieldbus

Model No. : STG981 - I II III - 00000 - Option I - Option II

Basic Model No.

Measuring Span	0.7 to 42MPa(7 to 420kgf/cm2)
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Selection I			Code	Price	Material Code						
I	Material	Meter Body Cover	Vent / Drain Plugs	Wetted Parts of Center Body		A	B	E	F	8	9
		Carbon steel	SUS316	Diaphragm:SUS316L Others : SUS316	A	315					
		Carbon steel	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	B	356					
		SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316	E	305					
		SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	F	341					
II	Fill Fluid	Regular type (Silicone oil)			1	0	✓	✓	✓	✓	✓
		For oxygen service (Fluorine oil) *3			2	18			✓	✓	
III	Process connection	Top or Bottom Connection	Rc1/4		S	10	✓	✓	✓	✓	✓
			1/4NPT internal thread		T	10	✓	✓	✓	✓	✓
					-						
					00000						
					-						
Options I	No options				X	0	✓	✓	✓	✓	✓
	Built-in indicating smart meter(0 to 100% liner scales)				P	20	✓	✓	✓	✓	✓
	Built-in indicating smart meter(engineering unit scales)				R	30	✓	✓	✓	✓	✓
	SUS304 Bolt and nuts material *12				W	11	✓	✓	✓	✓	✓
	SUS630 Bolt and nuts material				U	60	✓	✓	✓	✓	✓
	Corrosion-resistant finish				A	11	✓	✓	✓	✓	✓
	Corrosion-proof finish				B	14	✓	✓	✓	✓	✓
	Corrosion-resistant finish, silver paint				D	16	✓	✓	✓	✓	✓
	Oil Free finish				K	10	✓	✓	✓	✓	✓
	Long Vent/drain plugs				J	5	✓	✓	✓	✓	✓
	FM Explosionproof				3	8	✓	✓	✓	✓	✓
	ATEX Flameproof				6	7	✓	✓	✓	✓	✓
					-						
Options II	No option				XX	0	✓	✓	✓	✓	✓
	Water free finish (with Oil free finish)				A7	17	✓	✓	✓	✓	✓
	NEPSI Flameproof				C1	8	✓	✓	✓	✓	✓
	Custom calibration				C7	5	✓	✓	✓	✓	✓
	FOUNDATION fieldbus *33				D6	75	✓	✓	✓	✓	✓
	One Elbow				E1	2	✓	✓	✓	✓	✓
	Two Elbows				E2	4	✓	✓	✓	✓	✓
	Mounting bracket				E9	2	✓	✓	✓	✓	✓
	PED (97/23/EC) Conformity *34				H1	40	✓	✓	✓	✓	✓
	Material certificate				H2	21	✓	✓	✓	✓	✓
	Max working pressure 20MPa				H3	0	✓	✓	✓	✓	✓
	Fieldbus communication stack BASIC class (used with option D6)*33				L1	0	✓	✓	✓	✓	✓
	SI unit				U1	5	✓	✓	✓	✓	✓

*1 SCS14A (Equivalent SUS316) or SUSF316

*3 In case "For oxygen or chlorine (Fluorine oil) service" is used, it's recommended to select "oil free finish - code K"

*12 When SUS304 bolt/nut is selected, max working pressure rating is 23MPa(230kgf/cm2).

*33 "FOUNDATION™ fieldbus - code D6" and "Fieldbus communication stack BASIC class - code L1" must be selected.

*34 "PED Conformity" is not applicable for the combination with FM, CSA or NEPSI approvals.