

# 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 : Jan. 1, 2006	UNIT : 1000YEN

**Fieldbus**

Measuring Span	35 to 3500kPa (0.35 to 35kgf/cm <sup>2</sup> )	STG940
----------------	--	--------

Selection I				Code	Price	Material Code					
I	Material	Meter Body Cover	Adapter Flange	Vent/Drain Plugs	Wetted Parts of Center Body	E	F	H	U	M	P
		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				
		PVC	PVC	PVC	Diaphragm : Hastelloy C Others : Hastelloy C *8	M	353				
		PVC	PVC	PVC	Diaphragm : Tantalum Others : Tantalum *8	P	416				
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				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)**

Issued : Jun. 1, 2002	Page : 1-1-8(F)
Effective : Jan. 1, 2006	UNIT : 1000YEN

**Fieldbus**

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

Basic Model No.

Measuring Span	0.7 to 14MPa (7.0 to 140kgf/cm <sup>2</sup> )	STG960
----------------	---	--------

Selection I		Code	Price	Material Code						
I	Material	Meter Body Cover	Adapter Flange	Vent/Drain Plugs	Wetted Parts of Center Body		E	F	H	U
		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)**

Issued : Jun. 1, 2002	Page : 1-1-9(F)
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)
----------------	-------------------------------

Selection I			Code	Price	Material Code					
I	Material				A	B	E	F	8	9
	Meter Body Cover	Vent / Drain Plugs	Wetted Parts of Center Body							
	Carbon steel	SUS316	Diaphragm:SUS316L Others : SUS316		A					
	Carbon steel	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C		B					
	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316		E					
	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C		F					
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.