

ST3000 Series 900 Electric Pressure Transmitter

Issued : Jun. 15, 2001	Page : 1-1-7
Effective : Jul. 1, 2005	UNIT : 1000YEN

Model STG940 (Low Gage Pressure)

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

Basic Model No.

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	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														
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	✓	✓	✓	✓							✓	✓	
			Rc1/2 with adapter flange *7		Q	13							✓	✓	✓	✓			
	Top or Bottom Connection		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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				Lightning arrester	L	17	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				FM Intrinsically safe	4	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				Combination of FM Explosionproof and Intrinsically safe	5	11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				ATEX Flameproof	6	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				ATEX Intrinsic safety	7	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				CSA Explosion-proof	8	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Options II				No option	XX	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				Burn-out feature (Lower limit of value at abnormal condition) *2	A4	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				Burn-out feature (Upper limit of value at abnormal condition) *2	A5	7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				Water free finish (with Oil free finish)	A7	17					✓	✓	✓	✓	✓	✓	✓		
				NEPSI Flameproof	C1	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				NEPSI Intrinsically safe	C2	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				Combination of NEPSI Flameproof and Intrinsically safe	C3	11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				Custom calibration	C7	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				Digital output *38	D5	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				HART communication *38	D7	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				One Elbow	E1	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				Two Elbows	E2	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				External zero/span adjustment	E5	30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				Mounting bracket	E9	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				Side vent/drain top	F1	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				Side vent/drain bottom	F2	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				Material certificate	H2	21	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
				SI unit	U1	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

*1 SCS14A (Equivalent SUS316) or SUSF316

*2 The output current value ranges from 3.0 to 3.8 mA for the lower limit and from 20.8 to 21.8 mA for the upper limit.

*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.

*38 Either one of "Digital output - code D5" or "HART communication -code D7" can be selected at a time.

ST3000 Series 900 Electric Pressure Transmitter

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Model STG960 (Medium Gage Pressure)

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

Basic Model No.

Measuring Span	0.7 to 14MPa(7 to 140kgf/cm2)	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													
	Lightning arrester		L	17													
	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													
	FM Intrinsically safe		4	8													
	Combination of FM Explosionproof and Intrinsically safe		5	11													
	ATEX Flameproof		6	7													
	ATEX Intrinsic safety		7	8													
	CSA Explosion-proof		8	7													
Options II	No option		XX	0													
	Burn-out feature (Lower limit of value at abnormal condition) *2		A4	7													
	Burn-out feature (Upper limit of value at abnormal condition) *2		A5	7													
	Water free finish (with Oil free finish)		A7	17													
	NEPSI Flameproof		C1	8													
	NEPSI Intrinsically safe		C2	8													
	Combination of NEPSI Flameproof and Intrinsically safe		C3	11													
	Custom calibration		C7	5													
	Digital output *38		D5	0													
	HART communication *38		D7	5													
	One Elbow		E1	2													
	Two Elbows		E2	4													
	External zero/span adjustment		E5	30													
	Mounting bracket		E9	2													
	Side vent/drain top		F1	4													
	Side vent/drain bottom		F2	4													
	Material certificate		H2	21													
	SI unit		U1	5													

*1 SCS14A (Equivalent SUS316) or SUS316

*2 The output current value ranges from 3.0 to 3.8 mA for the lower limit and from 20.8 to 21.8 mA for the upper limit.

*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).

*38 Either one of "Digital output - code D5" or "HART communication -code D7" can be selected at a time.

ST3000 Series 900 Electric Pressure Transmitter

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Effective : Jul. 1, 2005	UNIT : 1000YEN

Model STG981 (High Gage Pressure)

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

Basic Model No.

Measuring Span	0.7 to 42MPa(7 to 420kgf/cm2)	STG981
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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	✓	✓	✓	✓	✓	✓	
			Lightning arrester	L	17	✓	✓	✓	✓	✓	✓	
			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	✓	✓	✓	✓	✓	✓	
			FM Intrinsically safe	4	8	✓	✓	✓	✓	✓	✓	
			Combination of FM Explosionproof and Intrinsically safe	5	11	✓	✓	✓	✓	✓	✓	
			ATEX Flameproof	6	7	✓	✓	✓	✓	✓	✓	
			ATEX Intrinsic safety	7	8	✓	✓	✓	✓	✓	✓	
			CSA Explosion-proof	8	7	✓	✓	✓	✓	✓	✓	
Options II			No option	XX	0	✓	✓	✓	✓	✓	✓	
			Burn-out feature (Lower limit of value at abnormal condition) *2	A4	7	✓	✓	✓	✓	✓	✓	
			Burn-out feature (Upper limit of value at abnormal condition) *2	A5	7	✓	✓	✓	✓	✓	✓	
			Water free finish (with Oil free finish)	A7	17		✓	✓	✓	✓	✓	
			NEPSI Flameproof	C1	8	✓	✓	✓	✓	✓	✓	
			NEPSI Intrinsically safe	C2	8	✓	✓	✓	✓	✓	✓	
			Combination of NEPSI Flameproof and Intrinsically safe	C3	11	✓	✓	✓	✓	✓	✓	
			Custom calibration	C7	5	✓	✓	✓	✓	✓	✓	
			Digital output *38	D5	0	✓	✓	✓	✓	✓	✓	
			HART communication *38	D7	5	✓	✓	✓	✓	✓	✓	
			One Elbow	E1	2	✓	✓	✓	✓	✓	✓	
			Two Elbows	E2	4	✓	✓	✓	✓	✓	✓	
			External zero/span adjustment	E5	30	✓	✓	✓	✓	✓	✓	
			Mounting bracket	E9	2	✓	✓	✓	✓	✓	✓	
			PED (97/23/EC) Conformity *34	H1	40	✓	✓	✓	✓	✓	✓	
			Material certificate	H2	21	✓	✓	✓	✓	✓	✓	
			Max working pressure 20MPa	H3	0	✓	✓	✓	✓	✓	✓	
			SI unit	U1	5	✓	✓	✓	✓	✓	✓	

*1 SCS14A (Equivalent SUS316) or SUS316

*2 The output current value ranges from 3.0 to 3.8 mA for the lower limit and from 20.8 to 21.8 mA for the upper limit.

*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).

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

*38 Either one of "Digital output - code D5" or "HART communication -code D7" can be selected at a time.