

ST3000 Series 900

Electric Differential Pressure Transmitter

Model STD910 (Standard Type for Lowest Differential Pressure)

Model No. : STD910 - I II III - 00000 - Option I - Option II

Basic Model No.

Measuring Span	0.1 to 2.0kPa (10 to 200mmH2O)	STD910
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Issued : Jun. 15, 2001	Page : 1-1-1
Effective : May 1, 2004	UNIT : 1000YEN

Selection I		Code	Price	Material Code	
I	Material	Meter Body Cover		E	
		Adapter Flange			
		Vent/Drain Plugs			
		Wetted Parts of Center Body			
		SCS14A *1			
		SCS14A*1			
		SUS316			
		Diaphragm: SUS316L	E	320	
		Others : SUS316			
II	Fill Fluid	Regular type (Silicone oil)	1	0	
		For oxygen service (Fluorine oil) *3	2	18	
III	Process Connection	Front Connection	Rc1/2 with adapter flange	J	6
			1/2NPT internal thread with adapter flange	H	6
			Rc1/4 with adapter flange	M	6
			1/4NPT internal thread with adapter flange	N	6
			1/4NPT internal thread on head	P	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 *4		W	0	✓
	SUS630 Bolt and nuts material *4		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 options		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 *5 *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

*4 Notes of "Order Entry" : "W" or "U" must be selected.

*5 Intrinsically safe for NEPSI cannot be selected with -D7.

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

ST3000 Series 900

Electric Differential Pressure Transmitter

Model STD920 (Standard Type for Medium Differential Pressure)

Model No. : STD920 - I II III - 00000 - Option I - Option II

Basic Model No.

Issued : Jun. 15, 2001	Page : 1-1-2
Effective : May 1, 2004	UNIT : 1000YEN

Measuring Span	0.75 to 100kPa (75 to 10,160mmH ₂ O)	STD920
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Selection I		Code	Price	Material Code																	
I	Material	Meter Body cover	Adapter Flange	Vent/Dra in 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	392																
Carbonsteel	SCS14A*1	SUS316	Diaphragm : Tantalum Others : Tantalum	D	495																
SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316	E	320																
SCS14A*1	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	F	408																
SCS14A*1	SCS14A*1	SUS316	Diaphragm : Tantalum Others : Tantalum	H	510																
SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316L	U	510																
PVC	PVC	PVC	Diaphragm : Hastelloy C Others : Hastelloy C *8	M	418																
PVC	PVC	PVC	Diaphragm : Tantalum Others : Tantalum *8	P	490																
Carbon steel Ni plating	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	8	392																
Carbon steel Ni plating	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316	9	305																
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															
		Process Connection	Front Connection	Rc1/2 with adapter flange	J	6															
						1/2NPT internal thread with adapter flange	H	6													
						Rc1/4 with adapter flange	M	6													
						1/4NPT internal thread with adapter flange	N	6													
						1/4NPT internal thread on head	P	0													
				top or Bottom Connection		Rc1/2 with adapter flange *7	Q	6													
								1/2NPT internal thread with adapter flange *7	R	6											
								Rc1/4 with adapter flange *7	S	6											
								1/4NPT internal thread with adapter flange *7	I	6											
								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																
		Adapter flange for corrosion -resistant application *6		A1	15																
		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 sage		C3	11																
		Custom calibration		C7	5																
		Digital output *38		D5	0																
		HART communication *5 *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																
		PED (97/23/EC) Conformity *34 *35		H1	40																
		Material certificate		H2	21																
		Max working pressure 20MPa *35 *37		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, "oil free finish - code K" must be selected.

*5 Intrinsically safe for NEPSI approval cannot be selected with -D7.

*6 In case Manifold valve is used and in case code U, H, U or P is used, please select code A1 of OptionII

*7 Applicable for wetted parts of center body material : I antalum,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.

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

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

*35 Not applicable for the combination with "SUS304 Bolts/Nuts"

*37 Not applicable for the combination with "PED Conformity"

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

ST3000 Series 900

Electric Differential Pressure Transmitter

Model STD930 (Standard Type for High Differential Pressure)

Model No. : STD930 - I II III - 00000 - Option I - Option II

Basic Model No.

Issued : Jun. 15, 2001	Page : 1-1-3
Effective : May 1, 2004	UNIT : 1000YEN

Measuring Span	35 to 700kPa (0.35 to 7kgf/cm2)	STD930
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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	316												
Carbon steel	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	B	403														
Carbon steel	SCS14A*1	SUS316	Diaphragm : Tantalum Others : Tantalum	D	506														
SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316	E	333														
SCS14A*1	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	F	421														
SCS14A*1	SCS14A*1	SUS316	Diaphragm : Tantalum Others : Tantalum	H	523														
SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316L	U	523														
PVC	PVC	PVC	Diaphragm : Hastelloy C Others : Hastelloy C *6	M	431														
PVC	PVC	PVC	Diaphragm : Tantalum Others : Tantalum *6	P	503														
Carbon steel Ni plating	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	8	403														
Carbon steel Ni plating	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316	9	316														
II	Fill Fluid	Regular type (Silicone oil)				1	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		For oxygen service (Fluorine oil) *8				2	18			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		For chlorine service (Fluorine oil) *8				5	18			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Process Connection	Front Connection	Rc1/2 with adapter flange		J	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
			1/2NPT internal thread with adapter flange		H	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
			Rc1/4 with adapter flange		M	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
			1/4NPT internal thread with adapter flange		N	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
			1/4NPT internal thread on head		P	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	top or Bottom Connection		Rc1/2 with adapter flange *7		Q	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
			1/2NPT internal thread with adapter flange *7		R	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
			Rc1/4 with adapter flange *7		S	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
			1/4NPT internal thread with adapter flange *7		T	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
			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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Adapter flange for corrosion -resistant application *6				A1	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		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 *5 *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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		PED (97/23/EC) Conformity *34 *35				H1	40	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Material certificate				H2	21	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Max working pressure 20MPa *35 *37				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, "oil free finish - code K" must be selected.
 *5 Intrinsically safe for NEPSI cannot be selected with -D7.
 *6 In case Manifold valve is used and in case code D, H, U or P is used, please select code A1 of OptionII
 *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.
 *11 When SUS304 bolt/nut is selected, max working pressure rating is 7MPa(70kgf/cm2).
 *34 "PED Conformity" is not applicable for the combination with FM, CSA or NEPSI approvals.
 *35 Not applicable for the combination with "SUS304 Bolts/Nuts"
 *37 Not applicable for the combination with "PED Conformity"
 *38 Either one of "Digital output - code D5" or "HART communication -code D7" can be selected at a time.

ST3000 Series 900

Electric Differential Pressure Transmitter

Model STD960 (Standard Type for Super-high Differential Pressure)

Model No. : STD960 - I II III - 00000 - Option I - Option II

Basic Model No.

Issued : Jun. 15, 2001	Page : 1-1-4
Effective : May 1, 2004	UNIT : 1000YEN

Measuring Span	0.25 to 14MPa (2.5 to 140kgf/cm ²)	STD960
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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	377										
		Carbon steel	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	B	464										
		Carbon steel	SCS14A*1	SUS316	Diaphragm : Tantalum Others : Tantalum	D	567										
		SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316	E	392										
		SCS14A*1	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	F	480										
		SCS14A*1	SCS14A*1	SUS316	Diaphragm : Tantalum Others : Tantalum	H	582										
		SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316L	U	582										
		Carbon steel Ni plating	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	8	464										
		Carbon steel Ni plating	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316L	9	377										
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										
	Process Connection	Front Connection	Rc1/2 with adapter flange		J	6											
			1/2NPT internal thread with adapter flange		H	6											
			Rc1/4 with adapter flange		M	6											
			1/4NPT internal thread with adapter flange		N	6											
			1/4NPT internal thread on head		P	0											
		Top or Bottom Connection	Rc1/2 with adapter flange *9		Q	6											
			1/2NPT internal thread with adapter flange *9		R	6											
			Rc1/4 with adapter flange *9		S	6											
			1/4NPT internal thread with adapter flange *9		T	6											
			1/4NPT internal thread on head *9		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										
		Adapter flange for corrosion -resistant application *6				A1	15										
		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 *5 *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										
		PED (97/23/EC) Conformity *34 *35				H1	40										
		Material certificate				H2	21										
		Max working pressure 20MPa *35 *37				H3	0										
		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.

*5 Intrinsically safe for NEPSI cannot be selected with -D7.

*6 In case Manifold valve is used and in case code D, H, U or P is used, please select code A1 of OptionII

*9 Applicable for wetted parts of center body material ; HastelloyC or Tantalum

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

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

*35 Not applicable for the combination with "SUS304 Bolts/Nuts"

*37 Not applicable for the combination with "PED Conformity"

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

ST3000 Series 900

Electric Differential Pressure Transmitter

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Model STD921 (High Static Pressure Type for Medium Differential Pressure)

Model STD931 (High Static Pressure Type for High Differential Pressure)

Model No. : STD921 - I II III - 00000 - Option I - Option II

Model No. : STD931 - I II III - 00000 - Option I - Option II

Basic Model No.

Measuring Span	2.5 to 100kPa (250 to 10,160mmH2O)	STD921
Span	35 to 700kPa (0.35 to 7kgf/cm2)	STD931

Selection I			Code	Price	Material Code			
I	Material	Meter Body Cover	Vent/Drain Plugs	Wetted Parts of Center Body		A	E	9
		Carbon steel	SUS316	Diaphragm:SUS316L Others : SUS316	A	375		
		SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316	E	406		
		Carbon steel Ni plating	SUS316	Diaphragm:SUS316L Others : SUS316	9	375		
II	Fill Fluid	Regular type (Silicone oil)			1	0		
		For oxygen service (Fluorine oil) *3			2	18		
III	Process Connection	Top or Bottom Connection	Rc1/2		Q	0		
			1/2NPT internal thread		R	0		
			Rc1/4		S	0		
			1/4NPT internal thread		T	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	20		
		SUS630 Bolt and nuts material			U	100		
		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 *5 *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 *37			H3	0		
		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.

*5 Intrinsically safe for NEPSI approval cannot be selected with -D7.

*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.

*37 Not applicable for the combination with "PED Conformity"

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

ST3000 Series 900
Electric Differential Pressure Transmitter

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Model STD961 (High Static Pressure Type for Super-high Differential Pressure)

Model No. : STD961 - I II III - 00000 - Option I - Option II

Basic Model No.

Measuring Span	0.25 to 14MPa (2.5 to 140kgf/cm ²)	STD961
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Selection I			Code	Price	Material Code			
I	Material				A	E	9	
	Meter Body Cover	Vent/Drain Plugs	Wetted Parts of Center Body					
	Carbon steel	SUS316	Diaphragm : SUS316L Others : SUS316	A	447			
	SCS14A*1	SUS316	Diaphragm : SUS316L Others : SUS316	E	478			
	Carbon steel Ni plating	SUS316	Diaphragm : SUS316L Others : SUS316	9	447			
II	Fill Fluid	Regular type (Silicone oil)		1	0	✓	✓	
		For oxygen service (Fluorine oil) *3		2	18		✓	
III	Process Connection	Top or Bottom Connection	Rc1/2 Q		0	✓	✓	
			1/2NPT internal thread	R	0	✓	✓	
			Rc1/4	S	0	✓	✓	
			1/4NPT internal thread	T	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	20	✓	✓		
	SUS630 Bolt and nuts material		U	100	✓	✓		
	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 cond		A4	7	✓	✓		
	Burn-out feature (Upper limit of value at abnormal cond		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 *5 *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 *37		H3	0	✓	✓		
	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, it's recommended to select "oil free finish - code K"
- *5 Intrinsically safe for NEPSI approval cannot be selected with -D7.
- *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.
- *37 Not applicable for the combination with "PED Conformity"
- *38 Either one of "Digital output - code D5" or "HART communication -code D7" can be selected at a time.