

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 : Apr. 1, 2005	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		E	
		SCS14A*1	320		
		SUS316			
		Diaphragm: SUS316L			
		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 *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.**

*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)

Issued : Jun. 15, 2001	Page : 1-1-2
Effective : Jan. 1, 2006	UNIT : 1000YEN

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

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/Drain Plugs	Wetted Parts of Center Body			E	F	H	U	M	P		
		SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316	E	310								
SCS14A*1	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	F	398										
SCS14A*1	SCS14A*1	SUS316	Diaphragm : Tantalum Others : Tantalum	H	500										
SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316L	U	500										
PVC	PVC	PVC	Diaphragm : Hastelloy C Others : Hastelloy C *8	M	418										
PVC	PVC	PVC	Diaphragm : Tantalum Others : Tantalum *8	P	490										
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		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									
			Rc1/2 with adapter flange *7		Q	6									
	Top or Bottom Connection	Rear Connection	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					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					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 *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.

*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 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 : Jan. 1, 2006	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 or Center Body			E	F	H	U	M	P	
		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 *6	M					
		PVC	PVC	PVC	Diaphragm : Tantalum Others : Tantalum *6	P					
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	✓	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓	✓
		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 *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.
 *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

Issued : Jun. 15, 2001	Page : 1-1-4
Effective : Jan. 1, 2006	UNIT : 1000YEN

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

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

Measuring Span	0.25 to 14MPa (2.5 to 140kgf/cm2)	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	E	F	H	U	
		SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316	E	382			
		SCS14A*1	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	F	470			
		SCS14A*1	SCS14A*1	SUS316	Diaphragm : Tantalum Others : Tantalum	H	572			
		SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316L	U	572			
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		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	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		Code	Price	E	F	H	U
	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		Code	Price	E	F	H	U
	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 *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.
 *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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Effective : Jul. 1, 2005	UNIT : 1000YEN

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
	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	380		
		SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316	E	396		
II	Fill Fluid	Regular type (Silicone oil)		1	0	✓	✓	✓
		For oxygen service (Fluorine oil) *3		2	18		✓	✓
III	Process Connection	Top or Bottom	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 *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.

*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

Issued : Jun. 15, 2001	Page : 1-1-6
Effective : Jul. 1, 2005	UNIT : 1000YEN

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	452		
	SCS14A*1	SUS316	Diaphragm : SUS316L Others : SUS316	E	468		
II	Fill Fluid	Regular type (Silicone oil)		1	0		
		For oxygen service (Fluorine oil) *3		2	18		
III	Process Connection	Top or Bottom	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 *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"

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

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