

ST3000 Series 900
Electric Differential Pressure Transmitter
Model STE929/STE930 (Remote-sealed DiaphragmType)
Flush Diaphragm 3 in. / 80 mm
For Regular / High-Temperature Service

Issued : Jun. 15, 2001	Page : 1-1-19
Effective : May 1, 2006	UNIT : 1000YEN

Model No. : STE9XX - I II III IV V VI VII VIII - Option I - Option II

Basic Model No.

	Measuring Span	2.5 to 100kPa (250 to 10,160mmHzO)	STE929	Flush Diaphragm Flange Type : 3in./80mm
		35 to 700kPa (0.35 to 7kgf/cm ²)	STE930	

Selection I				Code	Price	Fill Fluid Code			
I	Fill Fluid	Model No.	Fill Fluid			1	2	3	5
		STE929	Regular type service(Silicone oil)	1	589				
			For oxygen service(Fluorine oil) *3	2	651				
			For high-temperature service (Silicone oil) *17	3	651				
			For chlorine service (Fluorine oil) *3	5	651				
		STE930	Regular type service(Silicone oil)	1	601				
			For oxygen service(Fluorine oil) *3	2	663				
			For high-temperature service (Silicone oil) *17	3	663				
			For chlorine service (Fluorine oil) *3	5	663				
II	Flange Standard	ANSI flange		A	0	✓	✓	✓	✓
		JIS flange		J	0	✓	✓	✓	✓
		JPI flange		P	0	✓	✓	✓	✓
III	Flange Type & Rating	JIS 10K , ANSI/JPI 150 (RF)equivalent		A	0	✓	✓	✓	✓
		JIS 20K , ANSI/JPI 300 (RF)equivalent		B	15	✓	✓	✓	✓
		JIS 30K , ANSI/JPI 600 (RF)equivalent		C	20	✓	✓	✓	✓
IV	Flange Material	SUS304		7	0	✓	✓	✓	✓
		SUS316		2	80	✓	✓	✓	✓
		SUS316L		8	100	✓	✓	✓	✓
V	Material of Wetted Parts	SUS316 (Diaphragm : SUS316L, others : SUS316)		2	0	✓	✓	✓	
		SUS316L (Diaphragm :SUS316L, others : SUS316L)		8	40	✓	✓	✓	
		Tantalum (Diaphragm :Tantalum, others : Tantalum) *17		4	250	✓	✓	✓	✓
		HastelloyC (Diaphragm :HastelloyC, others : HastelloyC)		9	155	✓	✓	✓	
VI	Finish of Gasket Face	Standard (JIS Ra3.2 (12.5S))		J	0	✓	✓	✓	✓
VII	Length of Extended Parts	Flush Diaphragm 3in. / 80mm		00	0	✓	✓	✓	✓
VIII	Length of Capillary Tube	2m		2	5	✓	✓	✓	✓
		3m		3	10	✓	✓	✓	✓
		4m		4	20	✓	✓	✓	✓
		5m		5	30	✓	✓	✓	✓
		6m		6	40	✓	✓	✓	✓
		7m		7	50	✓	✓	✓	✓
		8m		8	60	✓	✓	✓	✓
		9m		9	70	✓	✓	✓	✓
		10m		A	80	✓	✓	✓	✓
	Length of Capillary Tube with Olefin Coating	2m		B	25	✓	✓	✓	✓
		3m		C	30	✓	✓	✓	✓
		4m		H	40	✓	✓	✓	✓
		5m		D	50	✓	✓	✓	✓
		6m		J	60	✓	✓	✓	✓
		7m		E	70	✓	✓	✓	✓
		8m		F	80	✓	✓	✓	✓
		9m		K	90	✓	✓	✓	✓
		10m		G	100	✓	✓	✓	✓

ST3000 Series 900**Electric Differential Pressure Transmitter****Model STE929/STE930 (Remote-sealed DiaphragmType)****Flush Diaphragm 3 in. / 80 mm****For Regular / High-Temperature Service**

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Effective : Apr. 1, 2005	UNIT : 1000YEN

Basic Model No.

	Measuring Span	2.5 to 100kPa (250 to 10,160mmH ₂ O)	STE929	Flush Diaphragm: 3in./80mm
		35 to 700kPa (0.35 to 7kgf/cm ²)	STE930	

				Fill Fluid Code			
				1	2	3	5
				-			
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	10	✓	✓	✓	✓
	SUS630 Bolt and nuts material	U	20	✓	✓	✓	✓
	Corrosion-resistant finish	A	11	✓	✓	✓	✓
	Corrosion-proof finish	B	14	✓	✓	✓	✓
	Corrosion-resistant finish, silver paint	D	16	✓	✓	✓	✓
	Oil Free finish	K	10	✓	✓	✓	✓
	FEP protective Film	T	21	✓	✓		✓
	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 Exprosn-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	✓	✓	✓	✓
	0.1mm Thickness Diaphragm *18	F4	50	✓	✓	✓	✓
	Material certificate	H2	21	✓	✓	✓	✓
	Direct Mounting Kits	R8	30	✓	✓		✓
	SI unit	U1	5	✓	✓	✓	✓

*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.

*17 In case "Tantalum " is used for diaphragm material and in case of "For high-temperature service",
normal operating conditions of meter body (process fluid) temperature is -10 to +180dig.C

*18 0.1 mm thickness diaphragm option is only available for Material of Wetted parts : "SUS316" and "SUS316L".

*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 STE929/STE930 (Remote-sealed DiaphragmType)****Extended Diaphragm 4 in. / 100 mm****For Regular / High-Temperature Service**

Model No. : STE9XX - I II III IV V VI VII VIII - Option I - Option II

Basic Model No.

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Effective : May 1, 2006	UNIT : 1000YEN

	Measuring Span	2.5 to 100kPa (250 to 10,160mmHzO)	STE929	Extended Diaphragm Flange Type : 4in./100mm
		35 to 700kPa (0.35 to 7kgf/cm ²)	STE930	

Selection I				Code	Price	Fill Fluid Code		
I	Fill Fluid	Flange Type	Fill Fluid			1	2	3
	STE929 Extended Diaphragm 4 in. (100mm)		Regular type service (Silicone oil) *16	1	589			
			For oxygen service (Fluorine oil) *3 *16	2	651			
			For high-temperature service (Silicone oil) *20 *19	3	651			
		STE930 Extended Diaphragm 4 in. (100mm)	Regular type service (Silicone oil) *16	1	601			
			For oxygen service (Fluorine oil) *3 *16	2	663			
			For high-temperature service (Silicone oil) *20 *19	3	663			
II	Flange Standard	ANSI flange		A	0	✓	✓	✓
		JIS flange		J	0	✓	✓	✓
		JPI flange		P	0	✓	✓	✓
III	Flange Type & Rating	JIS 10K , ANSI/JPI 150 (RF)equivalent		A	0	✓	✓	✓
		JIS 20K , ANSI/JPI 300 (RF)equivalent *19		B	15	✓	✓	✓
		JIS 30K *20 *16		C	20	✓	✓	✓
IV	Flange Material	SUS304		7	0	✓	✓	✓
		SUS316		2	80	✓	✓	✓
		SUS316L *20 *16 *19		8	100	✓	✓	✓
V	Material of Wetted Parts	SUS316 (Diaphragm : SUS316L, others : SUS316)		2	0	✓	✓	✓
		SUS316L (Diaphragm :SUS316L, others : SUS316L) *16 *19 *20		8	40	✓	✓	✓
VI	Finish of Gasket Face	Standard (JIS Ra3.2 (12.5S))		J	0	✓	✓	✓
VII	Length of Extended Parts	L = 50mm (4in. / 100mm) *20		09	123	✓	✓	✓
		L = 100mm (4in. / 100mm) *20		14	136	✓	✓	✓
		L = 150mm (4in. / 100mm) *16 *20		19	150	✓	✓	✓
		L = 200mm (4in. / 100mm) *16 *20		24	175	✓	✓	✓
		L = 250mm (4in. / 100mm) *16 *19 *20		29	189	✓	✓	✓
		L = 300mm (4in. / 100mm) *16 *19 *20		34	200	✓	✓	✓
VIII	Length of Capillary Tube	2m		2	5	✓	✓	✓
		3m		3	10	✓	✓	✓
		4m		4	20	✓	✓	✓
		5m		5	30	✓	✓	✓
		6m		6	40	✓	✓	✓
		7m		7	50	✓	✓	✓
		8m		8	60	✓	✓	✓
		9m		9	70	✓	✓	✓
		10m		A	80	✓	✓	✓
	Length of capillary tube olefin coating	2m		B	25	✓	✓	✓
		3m		C	30	✓	✓	✓
		4m		H	40	✓	✓	✓
		5m		D	50	✓	✓	✓
		6m		J	60	✓	✓	✓
		7m		E	70	✓	✓	✓
		8m		F	80	✓	✓	✓
		9m		K	90	✓	✓	✓
		10m		G	100	✓	✓	✓

ST3000 Series 900**Electric Differential Pressure Transmitter****Model STE929/STE930 (Remote-sealed DiaphragmType)****Extended Diaphragm 4 in. / 100 mm****For Regular / High-Temperature Service**

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Effective : Apr. 1, 2005	UNIT : 1000YEN

Basic Model No.

Measuring Span	2.5 to 100kPa (250 to 10,160mmH ₂ O)	STE929	Extended Diaphragm: 4 in. / 100 mm
	35 to 700kPa (0.35 to 7kgf/cm ²)	STE930	

				Fill Fluid Code		
				1	2	3
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	10	✓	✓	✓
	SUS630 Bolt and nuts material	U	20	✓	✓	✓
	Corrosion-resistant finish	A	11	✓	✓	✓
	Corrosion-proof finish	B	14	✓	✓	✓
	Corrosion-resistant finish, silver paint	D	16	✓	✓	✓
	Oil Free finish	K	10	✓	✓	✓
	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 Exprosn-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	✓	✓	✓
	0.1mm Thickness Diaphragm *15	F4	50	✓	✓	✓
	Material certificate	H2	21	✓	✓	✓
	Direct Mounting Kits	R8	30	✓	✓	✓
	SI unit	U1	5	✓	✓	✓

*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.

*15 Only available for Material of Wetted parts : "SUS316" and "SUS316L".

*16 In case "JIS30K" is used for Flange type and Rating, "SUS316L" is used for Flange material and for regular service or oxygen service, not available for Length of Extended Parts: 150/200/250/300mm

*19 In case Fill Fluid: For high-temperature service and Flange Rating: ANSI300 and Wetted Parts material: SUS316L, Extended length of flange 250/300mm are not available

*20 In case Flange Rating: JIS30K and Wetted Parts material: SUS316L, and for high temperature service, Extended diaphragm type is not available.

*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 STE929/STE930 (Remote-sealed DiaphragmType)
Flush Diaphragm 2 in. / 50 mm, 1.5 in. / 40 mm
For Regular / High-Temperature Service

Issued : Jun. 15, 2001	Page : 1-1-23
Effective : May 1, 2006	UNIT : 1000YEN

Model No. : STE9XX - I II III IV V VI VII VIII - Option I - Option II

Basic Model No.

	Measuring Span	2.5 to 100kPa (250 to 10,160mmH ₂ O)	STE929	Flush Diaphragm Type : 2in./50mm, 1.5in./40mm
		35 to 700kPa (0.35 to 7kgf/cm ²)	STE930	

Selection I			Code	Price	Fill Fluid Code									
I	Fill Fluid	Flange Type	Fill Fluid			1	2	3	5					
		STE929 Flush Diaphragm 2 in. (50mm) 1.5in. (40mm)	Regular type service (Silicone oil)	1	589									
			For oxygen service (Fluorine oil) *3	2	651									
			For high-temperature service (Silicone oil) *17	3	651									
			For chlorine service (Fluorine oil) *3	5	651									
		STE930 Flush Diaphragm 2 in. (50mm) 1.5in. (40mm)	Regular type service (Silicone oil)	1	589									
			For oxygen service (Fluorine oil) *3	2	651									
			For high-temperature service (Silicone oil) *17	3	651									
			For chlorine service (Fluorine oil) *3	5	651									
		II	Flange Standard	ANSI flange	A					0	✓	✓	✓	✓
			JIS flange	J	0					✓	✓	✓	✓	
	JPI flange	P	0	✓	✓	✓	✓							
III	Flange Type & Rating	JIS 10K , ANSI/JPI 150 (RF)equivalent	A	0	✓	✓	✓	✓						
	JIS 20K , ANSI/JPI 300 (RF)equivalent	B	15	✓	✓	✓	✓							
	JIS 30K , ANSI/JPI 600 (RF)equivalent	C	20	✓	✓	✓	✓							
IV	Flange Material	SUS304	7	0	✓	✓	✓	✓						
	SUS316	2	80	✓	✓	✓	✓							
	SUS316L	8	100	✓	✓	✓	✓							
V	Material of Wetted Parts	SUS316 (Diaphragm : SUS316L, others : SUS316)	2	0	✓	✓	✓							
	SUS316L (Diaphragm :SUS316L, others : SUS316L)	8	40	✓	✓	✓								
	Tantalum (Diaphragm :Tantalum, others : Tantalum) *17 *21	4	250	✓	✓		✓							
	HastelloyC (Diaphragm :HastelloyC, others : HastelloyC)	9	155	✓	✓	✓								
VI	Finish of Gasket Face	Standard (JIS Ra3.2 (12.5S))	J	0	✓	✓	✓	✓						
VII	Length of Extended Parts	Flush Diaphragm 2in. / 50mm	01	0	✓	✓	✓	✓						
		Flush Diaphragm 1.5in. /40mm *21	02	0	✓	✓	✓	✓						
VIII	Length of Capillary Tube	2m	2	5	✓	✓	✓	✓						
		3m	3	10	✓	✓	✓	✓						
		4m *22	4	20	✓	✓	✓	✓						
		5m *22	5	30	✓	✓	✓	✓						
	Length of Capillary Tube with Olefin Coating	2m	B	25	✓	✓	✓	✓						
		3m	C	30	✓	✓	✓	✓						
		4m *22	H	40	✓	✓	✓	✓						
		5m *22	D	50	✓	✓	✓	✓						

ST3000 Series 900**Electric Differential Pressure Transmitter****Model STE929/STE930 (Remote-sealed DiaphragmType)****Flush Diaphragm 2 in. / 50 mm, 1.5 in. / 40 mm****For Regular / High-Temperature Service**

Issued : Jun. 15, 2001	Page : 1-1-24
Effective : Apr. 1, 2005	UNIT : 1000YEN

Basic Model No.

	Measuring Span	2.5 to 100kPa (250 to 10,160mmH ₂ O)	STE929	Flush Diaphragm: 2 in. / 50 mm, 1.5 in. / 40 mm
		35 to 700kPa (0.35 to 7kgf/cm ²)	STE930	

				Fill Fluid Code			
				1	2	3	5
				-			
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	10	✓	✓	✓	✓
	SUS630 Bolt and nuts material	U	20	✓	✓	✓	✓
	Corrosion-resistant finish	A	11	✓	✓	✓	✓
	Corrosion-proof finish	B	14	✓	✓	✓	✓
	Corrosion-resistant finish, silver paint	D	16	✓	✓	✓	✓
	Oil Free finish	K	10	✓	✓	✓	✓
	FEP protective Film	T	21	✓	✓		✓
	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 Exprosn-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	✓	✓	✓	✓
	0.1mm Thickness Diaphragm	F4	50				
	Material certificate	H2	21	✓	✓	✓	✓
	Direct Mounting Kits	R8	30	✓	✓		✓
	SI unit	U1	5	✓	✓	✓	✓

*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.

*17 In case "Tantalum " is used for diaphragm material and in case of "For high-temperature service", normal operating conditions of meter body (process fluid) temperature is -10 to +180deg.C

*21 In case: Basic Model is STE929, and Tantalum is used for diaphragm material and Flange size is "Flush Daiphragm 1.5in./40mm", 2m or 3m (Code 2, 3, B, or C) for "Length of Capillary Tube " are applicable and Minimum Span will be 10kPa

*22 Specifications for Capillary Length 4m and 5m are as follows;

- Temperature characteristics and Static pressure effect will be 1.5 times of those of High-temperautre service.
- Ambient temprature range for Regular service: -10 to 55 deg C, Temperature of wetted parts : -30 to 110 deg C
- Ambient temprature range for Oxygen service: -10 to 55 deg C, Temperature of wetted parts : -10 to 110 deg C
- In the case, Ambient temeprature is 40 deg C, the highest wetted parts temperature for High-temp service (4 m) will be 280 deg C.
- In the case, Ambient temeprature is 38 deg C, the highest wetted parts temperature for High-temp service (5 m) will be 280 deg C.

*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 : 1-1-25
Effective : May 1, 2006	UNIT : 1000YEN

Model STE929/STE930 (Remote-sealed DiaphragmType)

Extended Diaphragm 3 in. / 80 mm, 2 in. / 50 mm

For Regular / High-Temperature Service

Model No. : STE9XX - I II III IV V VI VII VIII - Option I - Option II

Basic Model No.

	Measuring Span	2.5 to 100kPa (250 to 10,160mmHzO)	STE929	Extended Diaphragm Type : 3in./80mm, 2in./50mm
		35 to 700kPa (0.35 to 7kgf/cm ²)	STE930	

Selection I				Code	Price	Fill Fluid Code		
I	Fill Fluid	Flange Type	Fill Fluid			1	2	3
	Extended Diaphragm 3 in. (80mm) 2 in. (50mm)	STE929	Regular type service (Silicone oil)	1	589			
			For oxygen service (Fluorine oil) *3	2	651			
			For high-temperature service (Silicone oil)	3	651			
		STE930	Regular type service (Silicone oil)	1	589			
			For oxygen service (Fluorine oil) *3	2	651			
			For high-temperature service (Silicone oil) *31	3	651			
II	Flange Standard	ANSI flange	A	0	✓	✓	✓	
		JIS flange	J	0	✓	✓	✓	
		JPI flange	P	0	✓	✓	✓	
III	Flange Type & Rating	JIS 10K , ANSI/JPI 150 (RF)equivalent	A	0	✓	✓	✓	
		JIS 20K , ANSI/JPI 300 (RF)equivalent	B	15	✓	✓	✓	
		JIS 30K , ANSI/JPI 600 (RF)equivalent *24 *31	C	20	✓	✓	✓	
IV	Flange Material	SUS304	7	0	✓	✓	✓	
		SUS316	2	80	✓	✓	✓	
		SUS316L	8	100	✓	✓	✓	
V	Material of Wetted Parts	SUS316 (Diaphragm : SUS316L, others : SUS316)	2	0	✓	✓	✓	
		SUS316L (Diaphragm :SUS316L, others : SUS316L) *31	8	40	✓	✓	✓	
VI	Finish of Gasket Face	Standard (JIS Ra3.2 (12.5S))	J	0	✓	✓	✓	
VII	Length of Extended Parts	L = 50mm (3in. /80mm) *24	05	123	✓	✓	✓	
		L = 100mm (3in. /80mm) *24	10	136	✓	✓	✓	
		L = 150mm (3in. /80mm) *24	15	150	✓	✓	✓	
		L = 200mm (3in. /80mm) *24	20	175	✓	✓	✓	
		L = 250mm (3in. /80mm) *24	25	189	✓	✓	✓	
		L = 300mm (3in. /80mm) *24	30	200	✓	✓	✓	
		L = 50mm (2in. / 50mm) *24	06	123	✓	✓	✓	
		L = 100mm (2in. / 50mm) *24	11	136	✓	✓	✓	
		L = 150mm (2in. / 50mm) *24	16	150	✓	✓	✓	
		L = 200mm (2in. / 50mm) *24 *31	21	175	✓	✓	✓	
		L = 250mm (2in. / 50mm) *24 *31	26	189	✓	✓	✓	
		L = 300mm (2in. / 50mm) *24 *31	31	200	✓	✓	✓	
VIII	Length of Capillary Tube	2m	2	5	✓	✓	✓	
		3m	3	10	✓	✓	✓	
		4m *22	4	20	✓	✓	✓	
		5m *22	5	30	✓	✓	✓	
	Intrinsically safe for NEPSI cannot be selected with -D7.	2m	B	25	✓	✓	✓	
		3m	C	30	✓	✓	✓	
		4m *22	H	40	✓	✓	✓	
		5m *22	D	50	✓	✓	✓	

ST3000 Series 900

Electric Differential Pressure Transmitter

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Effective : Apr. 1, 2005	UNIT : 1000YEN

Model STE929 / STE930

Extended Diaphragm 3 in. / 80 mm, 2 in. / 50 mm

For Regular / High-Temperature Service

Model No. : STE929 - I II III IV V VI VII VIII - Option I - Option II

Basic Model No.

	Measuring Span	2.5 to 100kPa (250 to 10,160mmH ₂ O)	STE929	Extended Diaphragm Flange Type : 3in./80mm, 2in./50mm				
				Code	Price	Fill Fluid Code		
						1	2	3
				-				
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	10	✓	✓	✓	
	SUS630 Bolt and nuts material		U	20	✓	✓	✓	
	Corrosion-resistant finish		A	11	✓	✓	✓	
	Corrosion-proof finish		B	14	✓	✓	✓	
	Corrosion-resistant finish, silver paint		D	16	✓	✓	✓	
	Oil Free finish		K	10	✓	✓	✓	
	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 Exprosn-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	✓	✓	✓	
	Material certificate		H2	21	✓	✓	✓	
	Direct Mounting Kits		R8	30	✓	✓		
	SI unit		U1	5	✓	✓	✓	

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

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

*22 Specifications for Capillary Length 4m and 5m are as follows;

- Temperature characteristics and Static pressure effect will be 1.5 times of those of High-temperautre service.
- Ambient temprature range for Regular service: -10 to 55 deg C, Temperature of wetted parts : -30 to 110 deg C
- Ambient temprature range for Oxygen service: -10 to 55 deg C, Temperature of wetted parts : -10 to 110 deg C
- In the case, Ambient tempeprature is 40 deg C, the highest wetted parts temperature for High-temp service (4 m) will be 280 deg C.
- In the case, Ambient tempeprature is 38 deg C, the highest wetted parts temperature for High-temp service (5 m) will be 280 deg C.

*24 In case of "ANSI/JPI600" is used for 3in. flange type and rating, not available for the extended diaphragm flange type.

*31 In case Fill Fluid: For high-temperature service, for high-temperature vacuum service or high-temperature high vacuum service and 2 in. Flange Rating: ANSI/JPI600 and Wetted Parts material: SUS316L, Extension length of Flange 200/250/300mm are not available.

*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 STE929/STE930 (Remote-sealed DiaphragmType)****Flush & Extended Combination Flange Type****For Regular / High-Temperature Service**

Model No. : STE9XX - I II III IV V VI VII VIII - Option I - Option II

Issued : Jun. 15, 2001	Page : 1-1-27
Effective : May 1, 2006	UNIT : 1000YEN

Basic Model No.

Measuring Span	2.5 to 100kPa (250 to 10,160mmH ₂ O)	STE929	Combination Flush & Extended Diaphragm Flange Type
	35 to 700kPa(0.35 to 7kgf/cm ²)	STE930	Extended Diaphragm:4in./100mm - Flush Diaphragm:3in./80mm

Selection I				Code	Price	Fill Fluid Code						
						STE929			STE930			
I	Fill Fluid	Flange Type	Model No.	Fill Fluid			1	2	3	1	2	3
		Combination Flush & Extended Diaphragm Flange Type	STE929 Extended Diaphragm:4in./100 mm - Flush Diaphragm:3in./80mm	Regular type service (Silicone oil) *16	1	589						
				For oxygen service (Fluorine oil) *3 *16	2	651						
				For high-temperature service (Silicone oil) *19 *20	3	651						
			STE930 Extended Diaphragm:4in./100 mm - Flush Diaphragm:3in./80mm	Regular type service (Silicone oil) *16	1	601						
				For oxygen service (Fluorine oil) *3 *16	2	663						
				For high-temperature service (Silicone oil) *19 *20	3	663						
II	Flange Standard	ANSI flange		A	0	✓	✓	✓	✓	✓	✓	
		JIS flange		J	0	✓	✓	✓	✓	✓	✓	
		JPI flange		P	0	✓	✓	✓	✓	✓	✓	
III	Flange Type & Rating	Combination Flush & Extended Diaphragm Flange Type JIS 10K , ANSI/JPI 150 (RF)equivalent		G	0	✓	✓	✓	✓	✓	✓	
		Combination Flush & Extended Diaphragm Flange Type JIS 20K , ANSI/JPI 300 (RF)equivalent :*2 *19		H	30	✓	✓	✓	✓	✓	✓	
		Combination Flush & Extended Diaphragm Flange Type JIS 30K *2 *16 *20		J	30	✓	✓	✓	✓	✓	✓	
IV	Flange Material	SUS304		7	0	✓	✓	✓	✓	✓	✓	
		SUS316		2	80	✓	✓	✓	✓	✓	✓	
		SUS316L *2*3		8	100	✓	✓	✓	✓	✓	✓	
V	Material of wetted parts	SUS316 (Diaphragm : SUS316L, others : SUS316)		2	0	✓	✓	✓	✓	✓	✓	
		SUS316L (Diaphragm :SUS316L, others : SUS316L) *16 *20 *19		8	40	✓	✓	✓	✓	✓	✓	
VI	Finish of Gasket Face	Standard (JIS Ra3.2 (12.5S))		J	0	✓	✓	✓	✓	✓	✓	
VII	Length of Extended Parts	L = 50mm (4in. / 100mm) *20		09	123	✓	✓	✓	✓	✓	✓	
		L = 100mm (4in. / 100mm) *20		14	136	✓	✓	✓	✓	✓	✓	
		L = 150mm (4in. / 100mm) *16 *20		19	150	✓	✓	✓	✓	✓	✓	
		L = 200mm (4in. / 100mm) *16 *20		24	175	✓	✓	✓	✓	✓	✓	
		L = 250mm (4in. / 100mm) *16 *19 *20		29	189	✓	✓	✓	✓	✓	✓	
		L = 300mm (4in. / 100mm) *16 *19 *20		34	200	✓	✓	✓	✓	✓	✓	
VIII	Length of Capillary Tube	2m		2	5	✓	✓	✓	✓	✓	✓	
		3m		3	10	✓	✓	✓	✓	✓	✓	
		4m		4	20	✓	✓	✓	✓	✓	✓	
		5m		5	30	✓	✓	✓	✓	✓	✓	
		6m		6	40	✓	✓	✓	✓	✓	✓	
		7m		7	50	✓	✓	✓	✓	✓	✓	
		8m		8	60	✓	✓	✓	✓	✓	✓	
		9m		9	70	✓	✓	✓	✓	✓	✓	
		10m		A	80	✓	✓	✓	✓	✓	✓	
		Length of Capillary Tube with Olefin Coating	2m		B	25	✓	✓	✓	✓	✓	✓
	3m		C	30	✓	✓	✓	✓	✓	✓		
	4m		H	40	✓	✓	✓	✓	✓	✓		
	5m		D	50	✓	✓	✓	✓	✓	✓		
	6m		J	60	✓	✓	✓	✓	✓	✓		
	7m		E	70	✓	✓	✓	✓	✓	✓		
	8m		F	80	✓	✓	✓	✓	✓	✓		
	9m		K	90	✓	✓	✓	✓	✓	✓		
	10m		G	100	✓	✓	✓	✓	✓	✓		

ST3000 Series 900

Electric Differential Pressure Transmitter

Issued : Jun. 15, 2001	Page : 1-1-28
Effective : Apr. 1, 2005	UNIT : 1000YEN

Model STE929 / STE930

For Regular / High-Temperature Service

Model No. : STE9XX - I II III IV V VI VII VIII - Option I - Option II

Basic Model No.

	Measuring Span	2.5 to 100kPa (250 to 10,160mmHzO)	STE929	Combination Flush & Extended Diaphragm Flange Type
		35 to 700kPa(0.35 to 7kgf/cm ²)	STE930	Extended Diaphragm:4in./100mm - Flush Diaphragm:3in./80mm

		Code	Price	Fill Fluid Code					
				STE929			STE930		
				1	2	3	1	2	3
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	10	✓	✓	✓	✓	✓	✓
	SUS630 Bolt and nuts material	U	20	✓	✓	✓	✓	✓	✓
	Corrosion-resistant finish	A	11	✓	✓	✓	✓	✓	✓
	Corrosion-proof finish	B	14	✓	✓	✓	✓	✓	✓
	Corrosion-resistant finish, silver paint	D	16	✓	✓	✓	✓	✓	✓
	Oil Free finish	K	10	✓	✓	✓	✓	✓	✓
	FEP protective Film	T	11	✓	✓		✓	✓	
	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	✓	✓	✓	✓	✓	✓
	Material certificate	H2	21	✓	✓	✓	✓	✓	✓
	Direct Mounting Kits	R8	30	✓	✓		✓	✓	
	SI unit	U1	5	✓	✓	✓	✓	✓	✓

*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.

*16 In case "JIS30K" is used for Flange type and Rating, "SUS316L" is used for Flange material and for regular service or oxygen service, not available for Length of Extended parts: 150/200/250/300mm

*19 In case Fill Fluid: For high-temperature service and Flange Rating: ANSI300 and Wetted Parts material: SUS316L, Extension length of Flange 250mm / 300mm are not available.

*20 In case Flange Rating: JIS30K and Wetted Parts material: SUS316L and for high temperature service, Extended diaphragm type is not available.

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

Notes of "Order Entry"

SH No.	SH8030	Must be specified in "Remarks of Order Entry Sheets"
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ST3000 Series 900**Electric Differential Pressure Transmitter****Model STE929/STE930 (Remote-sealed Diaphragm Type)****Flush Diaphragm 3 in. / 80 mm****For High-Temperature/Vacuum, High-Temperature/High-Vacuum Service**

Model No. : STE9XX - I II III IV V VI VII VIII - Option I - Option II

Basic Model No.

Issued : Jun. 15, 2001	Page : 1-1-29
Effective : May 1, 2006	UNIT : 1000YEN

	Measuring Span	2.5 to 100kPa (250 to 10,160mmHzO)	STE929	Flush Diaphragm Flange Type : 3in./80mm
		35 to 700kPa (0.35 to 7kgf/cm ²)	STE930	

Selection I				Code	Price	Fill Fluid Code	
I	Fill Fluid	Model No.	Fill Fluid			4	7
		STE929	For high-temperature / vacuum service (Silicone oil)	4	1,095		
		Flush Diaphragm 3in. / 80mm	For high-temperature / high-vacuum service (Silicone oil)	7	1,495		
		STE930	For high-temperature / vacuum service (Silicone oil)	4	1,095		
		Flush Diaphragm 3in. / 80mm	For high-temperature / high-vacuum service (Silicone oil)	7	1,495		
II	Flange Standard	ANSI flange		A	0	✓	✓
		JIS flange		J	0	✓	✓
		JPI flange		P	0	✓	✓
III	Flange Type & Rating	JIS 10K , ANSI/JPI 150 (RF)equivalent		A	0	✓	✓
		JIS 20K , ANSI/JPI 300 (RF)equivalent		B	15	✓	✓
		JIS 30K , ANSI/JPI 600 (RF)equivalent		C	20	✓	✓
IV	Flange Material	SUS304		7	0	✓	✓
		SUS316		2	80	✓	✓
		SUS316L		8	100	✓	✓
V	Material of Wetted Parts	SUS316 (Diaphragm : SUS316L, others : SUS316)		2	0		
		SUS316L (Diaphragm :SUS316L, others : SUS316L)		8	40	✓	✓
		Tantalum (Diaphragm :Tantalum, others : Tantalum) *17		4	250	✓	✓
		HastelloyC (Diaphragm :Hastelloy C, others : Hastelloy C)		9	155	✓	✓
VI	Finish of Gasket Face	Standard (JIS Ra3.2 (12.5S))		J	0	✓	✓
VII	Length of Extended Parts	Flush Diaphragm 3in. / 80mm		00	0	✓	✓
VIII	Length of Capillary Tube	2m		2	5	✓	✓
		3m		3	10	✓	✓
		4m		4	20	✓	✓
		5m		5	30	✓	✓
		6m		6	40	✓	✓
		7m		7	50	✓	✓
		8m		8	60	✓	✓
		9m		9	70	✓	✓
		10m		A	80	✓	✓

ST3000 Series 900**Electric Differential Pressure Transmitter****Model STE929/STE930 (Remote-sealed DiaphragmType)****Flush Diaphragm 3 in. / 80 mm****For High-Temperature/Vacuum, High-Temperature/High-Vacuum Service**

Issued : Jun. 15, 2001	Page : 1-1-30
Effective : Apr. 1, 2005	UNIT : 1000YEN

Basic Model No.

	Measuring Span	2.5 to 100kPa (250 to 10,160mmH ₂ O)	STE929	Flush Diaphragm: 3in./80mm
		35 to 700kPa (0.35 to 7kgf/cm ²)	STE930	

				Fill Fluid	
				4	7
		-			
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	10	✓	✓
	SUS630 Bolt and nuts material	U	20	✓	✓
	Corrosion-resistant finish	A	11	✓	✓
	Corrosion-proof finish	B	14	✓	✓
	Corrosion-resistant finish, silver paint	D	16	✓	✓
	Oil Free finish	K	10	✓	✓
	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	✓	✓
	0.1mm Thickness Diaphragm	F4	50		
	Material certificate	H2	21	✓	✓
	SI unit	U1	5	✓	✓

*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.

*17 In case "Tantalum " is used for diaphragm material, and in case of " For high-temperature service", normal operating conditions of meter body (process fluid) temperature is -10 to +180deg.C

*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 STE929/STE930 (Remote-sealed Diaphragm Type)****Extended Diaphragm 4 in. / 100 mm****For High-Temperature/Vacuum, High-Temperature/High-Vacuum Service**

Model No. : STE9XX - I II III IV V VI VII VIII - Option I - Option II

Basic Model No.

Issued : Jun. 15, 2001	Page : 1-1-31
Effective : May 1, 2006	UNIT : 1000YEN

	Measuring Span	2.5 to 100kPa (250 to 10,160mmH ₂ O)	STE929	Extended Diaphragm Flange Type : 4in./100mm
		35 to 700kPa (0.35 to 7kgf/cm ²)	STE930	

Selection I				Code	Price	Fill Fluid Code	
I	Fill Fluid	Flange Type	Fill Fluid			4	7
		STE929 Extended Diaphragm 4 in. (100mm)	For high-temperature / vacuum service (Silicone oil)	4	1,095		
			For high-temperature / high-vacuum service (Silicone oil)	7	1,495		
		STE930 Extended Diaphragm 4 in. (100mm)	For high-temperature / vacuum service (Silicone oil)	4	1,095		
			For high-temperature / high-vacuum service (Silicone oil)	7	1,495		
II	Flange Standard	ANSI flange		A	0	✓	✓
		JIS flange		J	0	✓	✓
		JPI flange		P	0	✓	✓
III	Flange Type & Rating	JIS 10K , ANSI/JPI 150 (RF)equivalent		A	0	✓	✓
		JIS 20K , ANSI/JPI 300 (RF)equivalent *23		B	15	✓	✓
		JIS 30K , ANSI/JPI 600 (RF)equivalent *20 *24		C	20	✓	✓
IV	Flange Material	SUS304		7	0	✓	✓
		SUS316		2	80	✓	✓
		SUS316L		8	100	✓	✓
V	Material of Wetted Parts	SUS316 (Diaphragm : SUS316L, others : SUS316)		2	0	✓	✓
		SUS316L (Diaphragm : SUS316L, others : SUS316L) *20 *23		8	40	✓	✓
VI	Finish of Gasket Face	Standard (JIS Ra3.2 (12.5S))		J	0	✓	✓
VII	Length of Extended Parts	L = 50mm (4in. / 100mm) *24		09	123	✓	✓
		L = 100mm (4in. / 100mm) *24		14	136	✓	✓
		L = 150mm (4in. / 100mm) *24		19	150	✓	✓
		L = 200mm (4in. / 100mm) *23 *24		24	175	✓	✓
		L = 250mm (4in. / 100mm) *23 *24		29	189	✓	✓
		L = 300mm (4in. / 100mm) *23 *24		34	200	✓	✓
VIII	Length of Capillary Tube	2m		2	5	✓	✓
		3m		3	10	✓	✓
		4m		4	20	✓	✓
		5m		5	30	✓	✓
		6m		6	40	✓	✓
		7m		7	50	✓	✓
		8m		8	60	✓	✓
		9m		9	70	✓	✓
		10m		A	80	✓	✓

ST3000 Series 900**Electric Differential Pressure Transmitter****Model STE929/STE930 (Remote-sealed DiaphragmType)****Extended Diaphragm 4 in. / 100 mm****For High-Temperature/Vacuum, High-Temperature/High-Vacuum Service**

Issued : Jun. 15, 2001	Page : 1-1-32
Effective : Apr. 1, 2005	UNIT : 1000YEN

Basic Model No.

	Measuring Span	2.5 to 100kPa (250 to 10,160mmH ₂ O)	STE929	Extended Diaphragm:4 in. / 100 mm
		35 to 700kPa (0.35 to 7kgf/cm ²)	STE930	

				Fill Fluid Code	
				4	7
				-	
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	10	✓	✓
	SUS630 Bolt and nuts material	U	20	✓	✓
	Corrosion-resistant finish	A	11	✓	✓
	Corrosion-proof finish	B	14	✓	✓
	Corrosion-resistant finish, silver paint	D	16	✓	✓
	Oil Free finish	K	10	✓	✓
	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	✓	✓
	0.1mm Thickness Diaphragm *15	F4	50		
	Material certificate	H2	21	✓	✓
	SI unit	U1	5	✓	✓

*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.

*15 Only available for Material of Wetted parts : "SUS316" and "SUS316L".

*20 In case Flange Rating: JIS30K, Wetted Parts material: SUS316L and for high temperature service, Extended diaphragm type is not available.

*23 In case "ANSI/JPI300" is used for Flange Type & Rating , Not available for Length of Extended Parts : 200/250/300mm.

*24 In case of "ANSI/JPI600" is used for 3in. Flange type and rating, not available for the extended diaphragm flange type.

*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 STE929/STE930 (Remote-sealed DiaphragmType)****Flush Diaphragm 2 in. / 50 mm, 1.5 in. / 40 mm****For High-Temperature/Vacuum, High-Temperature/High-Vacuum Service**

Model No. : STE9XX - I II III IV V VI VII VIII - Option I - Option II

Basic Model No.

Issued : Jun. 15, 2001	Page : 1-1-33
Effective : May 1, 2006	UNIT : 1000YEN

	Measuring Span	2.5 to 100kPa (250 to 10,160mmH ₂ O)	STE929	Flush Diaphragm Type : 2in./50mm, 1.5in./40mm
		35 to 700kPa (0.35 to 7kgf/cm ²)	STE930	

Selection I			Code	Price		
I	Fill Fluid	Flange Type	Fill Fluid		4	7
		STE929 Flush Diaphragm 2 in. (50mm) 1.5in. (40mm)	For high-temperature/vacuum service (Silicone oil)	4	1,095	
			For high-temperature / high-vacuum service (Silicone oil)	7	1,495	
		STE930 Flush Diaphragm 2 in. (50mm) 1.5in. (40mm)	For high-temperature / vacuum service (Silicone oil)	4	1,095	
			For high-temperature high-vacuum service (Silicone oil)	7	1,495	
II	Flange Standard	ANSI flange		A	0	✓
		JIS flange		J	0	✓
		JPI flange		P	0	✓
III	Flange Type & Rating	JIS 10K , ANSI/JPI 150 (RF)equivalent		A	0	✓
		JIS 20K , ANSI/JPI 300 (RF)equivalent		B	15	✓
		JIS 30K , ANSI/JPI 600 (RF)equivalent		C	20	✓
IV	Flange Material	SUS304		7	0	✓
		SUS316		2	80	✓
		SUS316L		8	100	✓
		SUS316L (Diaphragm :SUS316L, others : SUS316L)		8	40	✓
V	Parts	Tantalum (Diaphragm :Tantalum, others : Tantalum) *17		4	250	✓
		HastelloyC (Diaphragm :HastelloyC, others : HastelloyC)		9	155	✓
		Standard (JIS Ra3.2 (12.5S))		J	0	✓
VII	Length of Extended Parts	Flush Diaphragm 2in. / 50mm		01	0	✓
		Flush Diaphragm 1.5in. /40mm		02	0	✓
VIII	Length of Capillary Tube	2m		2	5	✓
		3m		3	10	✓
		4m		4	20	✓
		5m		5	30	✓

*17 In case "Tantalum" is used for diaphragm material and in case of "For high-temperature service", normal operating conditions of meter body (process fluid) temperature is -10 to +180deg.C

ST3000 Series 900**Electric Differential Pressure Transmitter****Model STE929/STE930 (Remote-sealed DiaphragmType)****Flush Diaphragm 2 in. / 50 mm, 1.5 in. / 40 mm****For High-Temperature/Vacuum, High-Temperature/High-Vacuum Service**

Issued : Jun. 15, 2001	Page : 1-1-34
Effective : Apr. 1, 2005	UNIT : 1000YEN

Basic Model No.

	Measuring Span	2.5 to 100kPa (250 to 10,160mmH ₂ O)	STE929	Flush Diaphragm: 2 in. / 50 mm, 1.5 in. / 40 mm
		35 to 700kPa (0.35 to 7kgf/cm ²)	STE930	

				Fill Fluid Code	
				4	7
				-	
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	10	✓	✓
	SUS630 Bolt and nuts material	U	20	✓	✓
	Corrosion-resistant finish	A	11	✓	✓
	Corrosion-proof finish	B	14	✓	✓
	Corrosion-resistant finish, silver paint	D	16	✓	✓
	Oil Free finish	K	10	✓	✓
	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	✓	✓
	0.1mm Thickness Diaphragm	F4	50		
	Material certificate	H2	21	✓	✓
	SI unit	U1	5	✓	✓

*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.

*17 In case "Tantalum " is used for diaphragm material and in case of "For high-temperature service", normal operating conditions of meter body (process fluid) temperature is -10 to +180deg.C

*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 STE929/STE930 (Remote-sealed Diaphragm Type)****Extended Diaphragm 3 in. / 80 mm, 2 in. / 50 mm****For High-Temperature/Vacuum, High-Temperature/High-Vacuum Service**

Model No. : STE9XX - I II III IV V VI VII VIII - Option I - Option II

Basic Model No.

Issued : Jun. 15, 2001	Page : 1-1-35
Effective : May 1, 2006	UNIT : 1000YEN

	Measuring Span	2.5 to 100kPa (250 to 10,160mmH ₂ O)	STE929	Extended Diaphragm Type : 3in./80mm, 2in./50mm
		35 to 700kPa (0.35 to 7kgf/cm ²)	STE930	

Selection I				Code	Price	Fill Fluid Code	
I	Fill Fluid	Flange Type	Fill Fluid			4	7
		STE929 Extended Diaphragm 3 in. (80mm) 2 in. (50mm)	For high-temperature service (Silicone oil)	4	1,095		
			For high-temperature high-vacuum service (Silicone oil)	7	1,495		
		STE930 Extended Diaphragm 3 in. (80mm) 2 in. (50mm)	For high-temperature service (Silicone oil)	4	1,095		
			For high-temperature high-vacuum service (Silicone oil)	7	1,495		
II	Flange Standard	ANSI flange		A	0	✓	✓
		JIS flange		J	0	✓	✓
		JPI flange		P	0	✓	✓
III	Flange Type & Rating	JIS 10K , ANSI/JPI 150 (RF)equivalent		A	0	✓	✓
		JIS 20K , ANSI/JPI 300 (RF)equivalent		B	15	✓	✓
		JIS 30K , ANSI/JPI 600 (RF)equivalent *24		C	20	✓	✓
IV	Flange Material	SUS304		7	0	✓	✓
		SUS316		2	80	✓	✓
		SUS316L		8	100	✓	✓
V	Material of Wetted Parts	SUS316 (Diaphragm : SUS316L, others : SUS316)		2	0	✓	✓
		SUS316L (Diaphragm : SUS316L, others : SUS316L)		8	40	✓	✓
VI	Finish of Gasket Face	Standard (JIS Ra3.2 (12.5S))		J	0	✓	✓
VII	Length of Extended Parts	L = 50mm (3in. /80mm) *24		05	123	✓	✓
		L = 100mm (3in. /80mm) *24		10	136	✓	✓
		L = 150mm (3in. /80mm) *24		15	150	✓	✓
		L = 50mm (2in. / 50mm) *24		06	123	✓	✓
		L = 100mm (2in. / 50mm) *24		11	136	✓	✓
		L = 150mm (2in. / 50mm) *24		16	150	✓	✓
VIII	Length of Capillary Tube	2m		2	5	✓	✓
		3m		3	10	✓	✓
		4m		4	20	✓	✓
		5m		5	30	✓	✓

ST3000 Series 900**Electric Differential Pressure Transmitter**

Issued : Jun. 15, 2001	Page : 1-1-36
Effective : Apr. 1, 2005	UNIT : 1000YEN

Model STE929 (Remote-sealed Diaphragm Type for Medium Differential Pressure)**For High-Temperature/Vacuum, High-Temperature/High-Vacuum Service**

Model No. : STE929 - I II III IV V VI VII VIII - Option I - Option II

Basic Model No.

Measuring Span	2.5 to 100kPa (250 to 10,160mmH ₂ O)	STE929	Extended Diaphragm Type : 3in./80mm, 2in./50mm
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		Code	Price	Fill Fluid Code	
				4	7
		-			
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	10	✓	✓
	SUS630 Bolt and nuts material	U	20	✓	✓
	Corrosion-resistant finish	A	11	✓	✓
	Corrosion-proof finish	B	14	✓	✓
	Corrosion-resistant finish, silver paint	D	16	✓	✓
	Oil Free finish	K	10	✓	✓
	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	✓	✓
	Material certificate	H2	21	✓	✓
	SI unit	U1	5	✓	✓

*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.

*24 In case of "ANSI/JPI600" is used for 3in. Flange type and rating, not available for the extended diaphragm flange type.

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