

**ST3000 Series 900**  
**Electric Absolute Pressure Transmitter**  
**Model STA923 (Low Absolute Pressure),**  
**Model STA940 (High Absolute Pressure)**

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Effective : Jan. 1, 2006	UNIT : 1000YEN

**Fieldbus**

Model No. : STA923 - I II III - 00000 - Option I - Option II

Model No. : STA940 - I II III - 00000 - Option I - Option II

Basic Model No.

Measuring Span	4.0 to 104kPa abs (30 to 780mmHg abs.) *13	STA923
	35 to 3500kPa abs (0.35 to 35kgf/cm <sup>2</sup> abs.) *14	STA940

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	401						
		SCS14A*1	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	F	437						
		SCS14A*1	SCS14A*1	SUS316	Diaphragm : Tantalum Others : Tantalum	H	478						
		SCS14A*1	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316L	U	478						
		PVC	PVC	PVC	Diaphragm : Hastelloy C Others : Hastelloy C *8	M	411						
		PVC	PVC	PVC	Diaphragm : Tantalum Others : Tantalum *8	P	452						
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 *9		Q	13		✓	✓	✓	✓	✓	✓
			1/2NPT internal thread with adapter flange *9		R	13		✓	✓	✓	✓	✓	✓
	Top or Bottom Connection	Rc1/4 with adapter flange *9		S	13		✓	✓	✓	✓	✓		
		1/4NPT internal thread with adapter flange *9		T	13		✓	✓	✓	✓	✓		
		1/4NPT internal thread on head *9		U	0		✓	✓	✓	✓	✓		
				-									
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Options I	No options		X	0	✓	✓	✓	✓	✓	✓	✓		
	Built-in indicating smart meter(0 to 100% liner scales)		P	20	✓	✓	✓	✓	✓	✓	✓		
	Built-in indicating smart meter(engineering unit scales)		R	30	✓	✓	✓	✓	✓	✓	✓		
	SUS304 Bolt and nuts material		W	11	✓	✓	✓	✓	✓	✓	✓		
	SUS630 Bolt and nuts material		U	35	✓	✓	✓	✓	✓	✓	✓		
	Corrosion-resistant finish		A	11	✓	✓	✓	✓	✓	✓	✓		
	Corrosion-proof finish		B	14	✓	✓	✓	✓	✓	✓	✓		
	Corrosion-resistant finish, silver paint		D	16	✓	✓	✓	✓	✓	✓	✓		
	Oil Free finish		K	10	✓	✓	✓	✓	✓	✓	✓		
	Long Vent/drain plugs		J	5	✓	✓	✓	✓	✓	✓	✓		
	FM Explosionproof		3	8	✓	✓	✓	✓	✓	✓	✓		
ATEX Flameproof		6	7	✓	✓	✓	✓	✓	✓	✓			
Options II	No option		XX	0	✓	✓	✓	✓	✓	✓	✓		
	Water free finish (with Oil free finish)		A7	17	✓	✓	✓	✓	✓	✓	✓		
	NEPSI Flameproof		C1	8	✓	✓	✓	✓	✓	✓	✓		
	Custom calibration		C7	5	✓	✓	✓	✓	✓	✓	✓		
	FOUNDATION fieldbus *33		D6	75	✓	✓	✓	✓	✓	✓	✓		
	One Elbow		E1	2	✓	✓	✓	✓	✓	✓	✓		
	Two Elbows		E2	4	✓	✓	✓	✓	✓	✓	✓		
	Mounting bracket		E9	2	✓	✓	✓	✓	✓	✓	✓		
	Side vent/drain top		F1	4	✓								
	Side vent/drain bottom		F2	4	✓								
	Material certificate		H2	21	✓	✓	✓	✓	✓	✓	✓		
	Fieldbus communication stack BASIC class (used with option D6) *33		L1	0	✓	✓	✓	✓	✓	✓	✓		
	SI unit		U1	5	✓	✓	✓	✓	✓	✓	✓		

\*1 SCS14A (Equivalent SUS316) or SUSF316

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

\*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.

\*9 Applicable for wetted parts of center body material ; Hastelloy C or Tantalum

\*13 Specify range in abs. Pressure. Correct: 0 to 500mmHg abs. Incorrect: -700mmHg to 1kgf/cm<sup>2</sup>

\*14 Specify range in abs. Pressure. Correct: 0 to 3kgf/cm<sup>2</sup> abs. Incorrect: -1 to 2kgf/cm<sup>2</sup> abs.

\*33 "FOUNDATION fieldbus - code D6" and "Fieldbus communication stack BASIC class - code L1" must be selected.