

ST3000 Series 900 Electric Absolute Pressure Transmitter

Issued : Jun. 15, 2001	Page : 1-1-10
Effective : Jan. 1, 2006	UNIT : 1000YEN

Model STA923 (Low Absolute Pressure), Model STA940 (High Absolute Pressure)

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 ² 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				
		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 *8	M						
		PVC	PVC	PVC	Diaphragm : Tantalum Others : Tantalum *8	P						
II	Fill Fluid	Regular type (Silicone oil)				1	0	✓	✓	✓	✓	✓
		For oxygen service (Fluorine oil) *3				2	18	✓	✓	✓	✓	✓
		For chlorine service (Fluorine oil) *3				5	18		✓			✓
III	Process Connection	Front Connection	Rc1/2 with adapter flange		L	3	✓					
			1/2NPT internal thread with adapter flange		G	3	✓					
			Rc1/4 with adapter flange		D	3	✓					
			1/4NPT internal thread with adapter flange		A	3	✓					
			1/4NPT internal thread on head		B	0	✓					
		Top or Bottom Connection	Rc1/2 with adapter flange *9		Q	13		✓	✓	✓	✓	✓
			1/2NPT internal thread with adapter flange *9		R	13		✓	✓	✓	✓	
			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		Code	Price	E	F	H	U	M	P
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	✓	✓	✓	✓	✓	✓
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Options II		Code	Price	E	F	H	U	M	P
No option		XX	0	✓	✓	✓	✓	✓	✓
Burn-out feature (Lower limit of value at abnormal condition) *2		A4	7	✓	✓	✓	✓	✓	✓
Burn-out feature (Upper limit of value at abnormal condition) *2		A5	7	✓	✓	✓	✓	✓	✓
Water free finish (with Oil free finish)		A7	17	✓	✓	✓	✓	✓	✓
NEPSI Flameproof		C1	8	✓	✓	✓	✓	✓	✓
NEPSI Intrinsically safe		C2	8	✓	✓	✓	✓	✓	✓
Combination of NEPSI Flameproof and Intrinsically safe		C3	11	✓	✓	✓	✓	✓	✓
Custom calibration		C7	5	✓	✓	✓	✓	✓	✓
Digital output *38		D5	0	✓	✓	✓	✓	✓	✓
HART communication *38		D7	5	✓	✓	✓	✓	✓	✓
One Elbow		E1	2	✓	✓	✓	✓	✓	✓
Two Elbows		E2	4	✓	✓	✓	✓	✓	✓
External zero/span adjustment		E5	30	✓	✓	✓	✓	✓	✓
Mounting bracket		E9	2	✓	✓	✓	✓	✓	✓
Side vent/drain top		F1	4	✓					
Side vent/drain bottom		F2	4	✓					
Material certificate		H2	21	✓	✓	✓	✓	✓	✓
SI unit		U1	5	✓	✓	✓	✓	✓	✓

*1 SCS14A (Equivalent SUS316) or SUSF316

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

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

*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/cm²

*14 Specify range in abs. Pressure. Correct: 0 to 3kgf/cm² abs. Incorrect: -1 to 2kgf/cm² abs.

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