

ST3000 Series 900 Electric Absolute Pressure Transmitter

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Effective : May 1, 2004	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			A	B	D	E	F	H	U	M	P	8	9			
				Carbon steel	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316	A	396												
		Carbon steel	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	B	440														
		Carbon steel	SCS14A*1	SUS316	Diaphragm : Tantalum Others : Tantalum	D	473														
		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														
		Carbon steel Ni plating	SCS14A*1	SUS316	Diaphragm : Hastelloy C Others : Hastelloy C	8	483														
		Carbon steel Ni plating	SCS14A*1	SUS316	Diaphragm:SUS316L Others : SUS316	9	396														
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															
		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															
					-																
					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																
	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.

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

*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.