

ST3000 New Ace Electric Absolute Pressure Transmitter Remote-sealed diaphragm style

Issued: Spt. 15, 2001	Page: 1-4-73
Effective: Dec. 1, 2009	UNIT: 1000YEN

Model	Pressure range/style	Service (Fill fluid)	Process connection
JTS922A	4 to 104kPa abs (30 to 780mmHg abs)	Medium absolute pressure	Flush diaphragm 3 in. (80mm)
JTS940A	35 to 3500kPa abs (0.35 to 35kgf/cm2 abs)	High absolute pressure	Flush diaphragm 3 in. (80mm)

Selections

Options 1

Options 1, 2 : Refer to page 1-4-75

Basic model No. -I II III IV V VI VII VIII -IX X XI XII XIII XIV -Options 2

Basic Model No.	Measuring span	Basic price
	4 to 104kPa abs (30 to 780mmHg abs)	538
	35 to 3500kPa abs (0.35 to 35kgf/cm2 abs)	538

Selections				Additional price
I	Output	4 to 20mA	1	0
		Digital output (DE protocol)	3 *1,*2	0
		4 to 20mA (HART protocol)	5 *3,*4	5
II	Material of wetted part	SUS316L	8	0
III	Fill Fluid	For high temperature high vacuum (Silicon oil)	4	296
		For high temperature high vacuum (Silicon oil)	7	862
IV	Flange rating *29	JIS 10K	A	0
		JIS 20K	C	20
		JIS 30K	D	30
		JIS 63K	F	60
		ANSI 150	G	0
		ANSI 300	H	20
		ANSI 600	J	30
		JPI 150	N	0
		JPI 300	P	20
JPI 600	Q	30		
V	Flange size	3 in. /80 mm	2	0
VI	Flange type	Standard	1	0
VII	Flange material/bolt and nut	SUS304/SUS630	F	20
		SUS316/SUS630	J	60
		SUS316L/SUS630	M	70
VIII	Length of Capillary tube	2m	2	3
		3m	3	7
		4m	4	14
		5m	5	21
		6m	6	28
		7m	7	35
		8m	8	42
		9m	Q	49
		10m	A	56

Notes

- 1 Digital output (DE protocol) should be selected with Upper/lower of Burn out feature.
- 2 Digital output (DE protocol) can not be combined with an external zero adjustment function.
- 3 HART Communication can not be combined with Special burn-out feature.
- 4 The lowest output limit is -1.25%(3.8mA).
- 29 Flange rating should be selected based on the operative pressure range.

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Model	Pressure range/style	Service (Fill fluid)	Process connection
JTS922A	4 to 104kPa abs (30 to 780mmHg abs)	Medium absolute pressure High temperature and vacuum(Silicon oil), High temperature and high vacuum(Silicon oil)	Flush diaphragm 4 in. (100mm)
JTS940A	35 to 3500kPa abs (0.35 to 35kgf/cm2 abs)	High absolute pressure High temperature and vacuum(Silicon oil), High temperature and high vacuum(Silicon oil)	Flush diaphragm 4 in. (100mm)

Selections Options 1

Basic model No. -I II III IV V VI VII VIII -IX X XI XII XIII XIV -Options 2 Options 1, 2 : Refer to page 1-4-75

Basic Model No.	Measuring span	Basic price
	4 to 104kPa abs (30 to 780mmHg abs)	538
	35 to 3500kPa abs (0.35 to 35kgf/cm2 abs)	538

Selections			Additional price		
I	Output	4 to 20mA	1	0	
		Digital output (DE protocol)	3	*1, *2	0
		4 to 20mA (HART protocol)	5	*3, *4	5
II	Material of wetted part	SUS316 (Diaphragm : SUS316L)	2	0	
		SUS316L	8	75	
III	Fill Fluid	For high temperature high vacuum (Silicon oil)	4	296	
		For high temperature high vacuum (Silicon oil)	7	862	
IV	Flange rating *29	JIS 10K	A	0	
		JIS 20K	C	20	
		JIS 30K	D	30	
		ANSI 150	G	0	
		ANSI 300	H	20	
		JPI 150	N	0	
		JPI 300	P	20	
V	Flange size	4 in./100A	1	0	
VI	Flange type	Length of extended part 50mm	2	62	
		Length of extended part 100mm	3	68	
		Length of extended part 150mm	4	75	
VII	Flange material/bolt and nut	SUS304/SUS630	F	20	
		SUS316/SUS630	J	60	
		SUS316L/SUS630	M	70	
VII	Length of Capillary tube	2m	2	3	
		3m	3	7	
		4m	4	14	
		5m	5	21	
		6m	6	28	
		7m	7	35	
		8m	8	42	
		9m	Q	49	
		10m	A	56	

Notes

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Selections Options 1
Basic model No. -I II III IV V VI VII VIII -IX X XI XII XIII XIV -Options 2

				Additional price
Options1				
IX	Electrical connection / explosion-proof	G1/2, Watertight	X	0
		G1/2, TIIS Flameproof with 1 pc. Of cable gland attac	2	14
		G1/2, TIIS Flameproof with 2 pcs. Of cable gland attac	3	23
		G1/2, TIIS intrinsically safe	6	5
		G1/2 KOSA Explosionproof	P	5
	1/2 NPT, Watertight	A	0	
X	Builting indicating smart	None	X	0
		0 to 100 % liner scales	1	25
		Engineering unit scales	2	30
XI	Finish	Standard	X	0
		Corrosion-resistant	A	11
		Corrosion-proof	B	14
		Corrosion-resistant (Silver coating)	D	16
XII	Finish of gasket	Standard (JISRa3.2(12.5S))	X	0
XIII	Burnout feature *1	None	X	0
		Upper limit of output at abnormal condition	U	7
		Lower limit of output at abnormal condition	D	7
IVX	Mounting bracket	None	X	0
		Carbon steel	1	3
		SUS304	2	10

				Additional prices
	XX	No options		0
	A2	External Zero/span adjustment *2		30
	A4	Lightning arrestor		18
	B7	For mounting a high load resistance smart meter		0
	C1	Color : Red (Munsell 5R4/13)		20
	C2	Color : Yellow (Munsell 2.5Y8/16)		20
	C3	Color : Blue (Munsell 7.5BG7/2)		20
	C7	Process connection ; reverse		0
	D1	Water free finish (included oil free finish)		29
	D2	Oil free finish *16		19
	G1	One elbow (left)		2
	G2	One elbow (right)		2
	G3	2 elbows		4
	J8	Special burn-out feature (3.2mA) *18		20
	T1	Test report		2
	T2	Material certificate *19		21
	T5	Strength calculation sheet *20		15
	T6	Pressure resistance/gas-tightness test (for regular ser *21		40
	T8	Traceability certificate		10
	U2	Non-SI unit conformance		0

Notes

- 1 Digital output (DE protocol) should be selected with Upper/lower of Burn out feature.
- 2 Digital output (DE protocol) can not be combined with an external zero adjustment function.
- 3 HART Communication can not be combined with TIIS intrinsically safe and Special burn-out feature.
- 16 When the fill fluid is for oxygen or chroline service, this is no needed to select.
- 18 "Lower limit of output at abnormal condition" - code D must be selected for Options 1 "V", Burnout feature.
- 19 Available only for material of wetted part.
- 20 When order-entry, designed pressure and designed temperature are required.
- 21 When ordering, resistant pressure and gas-tightness test pressure are required.