

ST3000 New Ace Electric Pressure Transmitter absolute pressure type

Issued : Spt. 15, 2001	Page : 1-4-51
Effective : Jan. 1, 2003	UNIT : 1000YEN

Model	Pressure range/style	Service (Fill fluid)
JTA922A	4 to 104kPa abs. (30 to 780mmHg abs.)	Medium absolute pressure
JTA940A	35 to 3500kPa abs. (0.35 to 35kgf/cm2 abs.)	High absolute pressure

Basic model No. **Selections** **Options 1** **Options 2** Options 2 : Refer to page 1-4-54
 - I II III IV V - VI VII VIII IX X - Options 2

Basic Model No.	Measuring span	Pressure range/style	Model	Basic price
	4 to 104kPa abs. (30 to 780mmHg abs.)		JTA922A	401
	35 to 3500kPa abs. (0.35 to 35kgf/cm2 abs.)		JTA940A	401

Additional price

Selections														
I	Output	4 to 20mA		1									0	
		4 to 20mA(Analog FSKCommunication)		2	*3									10
		Digital output (DE protocol)		3	*1, *2									0
II	Material	Meterbody cover	Vent/Drain plugs	Wetted parts of center body										
		*8 Carbon steel Zn plating	SUS316	SUS316	A									0
		*8 Carbon steel Zn plating	SUS316	HastelloyC	B									41
		*8 Carbon steel Zn plating	SUS316	Tantalum	D									77
		SCS14A *32	SUS316	SUS316	E									0
		SCS14A *32	SUS316	HastelloyC	F									41
		SCS14A *32	SUS316	Tantalum	H									72
		SCS14A *32	SUS316	SUS316L	K									40
*6 *27 *28	PVC	PVC	Tantalum	P									56	
III	Fill Fluid	Regular type (Silicone oil)		1									0	
IV	Process connection	Rc 1/2, top connection		A									10	
		Rc 1/2, bottom connection		B										10
		*27	Rc 1/2, side connection		C									0
		1/2 NPT internal thread, top connection		F										10
		1/2 NPT internal thread, bottom connection		G										10
		*27	1/2 NPT internal thread, side connection		H									0
		Rc 1/4, top connection		L										10
		Rc 1/4, bottom connection		M										10
		*27	Rc 1/4, side connection		N									0
		1/4 NPT internal thread, top connection		R										10
1/4 NPT internal thread, bottom connection		S										10		
*27	1/4 NPT internal thread, side connection		T									0		
V	Bolt/nut	Carbon steel		1									0	
		SUS304		2									11	
		SUS630		3									35	

Options 1														
VI	Electrical connection / explosion-proof	G1/2, Watertight		X									0	
		G1/2, JIS Flameproof with 1 pc. Of cable gland attached.		2										14
		G1/2, JIS Flameproof with 2 pcs. Of cable gland attached.		3										23
		G1/2, intrinsically safe *1		6										5
		1/2 NPT, Watertight		A										0
VII	Built-in indicating smart meter	None		X									0	
		0 to 100 % linear scales		1									25	
		Engineering unit scales		2									30	
VIII	Finish	Standard		X									0	
		Corrosion-resistant		A									11	
		Corrosion-proof		B									14	
		Corrosion-resistant (Silver coating)		D									16	
IX	Burnout feature *1	None		X									0	
		Upper limit of output at abnormal condition		U									7	
		Lower limit of output at abnormal condition		D									7	
X	Mounting Bracket	None		X									0	
		Carbon steel		1									3	
		SUS304		2									10	

- Notes
- Digital output (DE protocol) should be selected with upper/lower direction of burn out feature.
 - Digital output (DE protocol) can not be combined with an external zero adjustment function.
 - Analog FSK Communication can not be combined with Intrinsically safe.
 - When meterbody cover material is PVC, bolt/nut material of selection "V" should be SUS304.
 - This can be selected for the meterbody cover if the process fluid contains hydro-carbon or H2S which used for Refinery/Petrochemical. In other cases, select Carbon steel Ni plating for meterbody cover.
 - Not available for material selection "P".
 - For JTA940A, the max measuring span is 1500kPa.
 - SCS14A (equivalent to SUS316) or SUSF316

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Model	Pressure range/style		Service (Fill fluid)
JTA922A	4 to 104kPa abs. (30 to 780mmHg abs.)	Medium absolute pressure	Oxygen service(Fluorine oil)
JTA940A	35 to 3500kPa abs. (0.35 to 35kgf/cm2 abs.)	High absolute pressure	Oxygen service(Fluorine oil)

Basic model No. **Selections** **Options 1** **Options 2** Options 2 : Refer to page 1-4-54
 - I II III IV V - VI VII VIII IX X - Options 2

Basic Model No.			Basic price
Measuring span	4 to 104kPa abs. (30 to 780mmHg abs.)	JTA922A	401
	35 to 3500kPa abs. (0.35 to 35kgf/cm2 abs.)	JTA940A	401

			Additional price
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Selections				Additional price		
I	Output	4 to 20mA	1	0		
		4 to 20mA (Analog FSKCommunication)	2 *3	10		
		Digital output (DE protocol)	3 *1, *2	0		
II	Material	Meterbody cover	Vent/Drain plugs	Wetted parts of center body		
		SCS14A *32	SUS316	SUS316	E	0
		SCS14A *32	SUS316	HastelloyC	F	41
		SCS14A *32	SUS316	Tantalum	H	72
		SCS14A *32	SUS316	SUS316L	K	40
	*6 *27 *28	PVC	PVC	Tantalum	P	56
III	Fill Fluid	For oxygen service (Fluorine oil)		2	36	
IV	Process connection	Rc 1/2, top connection	A	10		
		Rc 1/2, bottom connection	B	10		
		*27 Rc 1/2, side connection	C	0		
		1/2 NPT internal thread, top connection	F	10		
		1/2 NPT internal thread, bottom connection	G	10		
		*27 1/2 NPT internal thread, side connection	H	0		
		Rc 1/4, top connection	L	10		
		Rc 1/4, bottom connection	M	10		
		*27 Rc 1/4, side connection	N	0		
		1/4 NPT internal thread, top connection	R	10		
		1/4 NPT internal thread, bottom connection	S	10		
*27 1/4 NPT internal thread, side connection	T	0				
V	Bolt/nut	Carbon steel	1	0		
		SUS304	2	11		
		SUS630	3	35		

Options 1				Additional price
VI	Electrical connection / explosion-proof	G1/2, Watertight	X	0
		G1/2, JIS Flameproof with 1 pc. Of cable gland attached.	2	14
		G1/2, JIS Flameproof with 2 pcs. Of cable gland attached.	3	23
		G1/2, intrinsically safe *1	6	5
		1/2 NPT, Watertight	A	0
VII	Built-in indicating smart meter	None	X	0
		0 to 100 % linear scales	1	25
		Engineering unit scales	2	30
VIII	Finish	Standard	X	0
		Corrosion-resistant	A	11
		Corrosion-proof	B	14
		Corrosion-resistant (Silver coating)	D	16
IX	Burnout feature *2	None	X	0
		Upper limit of output at abnormal condition	U	7
		Lower limit of output at abnormal condition	D	7
X	Mounting Bracket	None	X	0
		Carbon steel	1	3
		SUS304	2	10

Notes

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- Not available for material selection "P".
- For JTA940A, the max measuring span is 1500kPa.
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Selections							Additional price
I	Output	4 to 20mA	1				0
		4 to 20mA(Analog FSKCommunication)	2	*3			10
		Digital output (DE protocol)	3	*1, *2			0
II	Material	Meterbody cover	Vent/Drain plugs	Wetted parts of center body			
		SCS14A *32	SUS316	Tantalum	H		72
		*6 *27 *28 PVC	PVC	Tantalum	P		56
III	Fill Fluid	For chlorine service (Fluorine oil)			5		36
IV	Process connection	Rc 1/2, top connection		A			10
		Rc 1/2, bottom connection		B			10
		*27 Rc 1/2, side connection		C			0
		1/2 NPT internal thread, top connection		F			10
		1/2 NPT internal thread, bottom connection		G			10
		*27 1/2 NPT internal thread, side connection		H			0
		Rc 1/4, top connection		L			10
		Rc 1/4, bottom connection		M			10
		*27 Rc 1/4, side connection		N			0
		1/4 NPT internal thread, top connection		R			10
*27 1/4 NPT internal thread, bottom connection		S			10		
*27 1/4 NPT internal thread, side connection		T			0		
V	Bolt/nut	Carbon steel	1				0
		SUS304	2				11
		SUS630	3				35
Options 1							-
VI	Electrical connection / explosion-proof	G1/2, Watertight		X			0
		G1/2, JIS Flameproof with 1 pc. Of cable gland attached.	2				14
		G1/2, JIS Flameproof with 2 pcs. Of cable gland attached.	3				23
		G1/2, intrinsically safe *1	6				5
		1/2 NPT, Watertight	A				0
VII	Built-in indicating smart meter	None		X			0
		0 to 100 % linear scales	1				25
		Engineering unit scales	2				30
VIII	Finish	Standard		X			0
		Corrosion-resistant		A			11
		Corrosion-proof		B			14
		Corrosion-resistant (Silver coating)		D			16
IX	Burnout feature *1	None		X			0
		Upper limit of output at abnormal condition		U			7
		Lower limit of output at abnormal condition		D			7
X	Mounting Brackets	None			X		0
		Carbon steel			1		3
		SUS304			2		10

Notes

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			Additional prices
Options 2	XX	No options	0
	A2	External Zero adjustment *2	30
	A4	Lightning arrestor	18
	A5	Long vent/drain plugs	10
	B2	Steam block *22	25
	B7	For mounting a high load resistance smart meter *23	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) *16, *17	29
	D2	Oil free finish *16, *17	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	Withstand pressure and air tight test *21	40
T8	Traceability certificate	10	
U2	Non-SI unit conformance	0	

Note

- 2 Digital output (DE protocol) can not be combined with an external zero adjustment function.
- 16 When the fill fluid is for oxygen or choline service, there is not needed to select this.
- 17 The carbon steel for meterbody cover material is not available for this option.
- 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 ordering, designed pressure and designed temperature are required.
- 21 When ordering, withstand pressure and airtight test pressure are required.