

ST3000 New Ace Electric Pressure Transmitter absolute pressure type

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

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Effective : Dec. 1, 2009	UNIT : 1000YEN

Basic Model No. Selections Options 1 Options 2

Options 2 : Refer to page 1-4-56

Basic Model No.		Selections		Options 1		Options 2		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
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	Meterbody	Vent/Drain	Wetted parts of				
		SCS14A	SUS316	SUS316	E			0
		SCS14A	SUS316	HastelloyC	F			41
		SCS14A	SUS316	Tantalum	H			72
		SCS14A	SUS316	SUS316L	K			40
		*6 *27 *28	PVC	PVC	P			56
II	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
		*27 Rc 1/4, bottom connection	M					10
		Rc 1/4, side connection	N					0
		*27 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, TIS Flameproof with 1 pc. Of cable gland attached.	2					14
		G1/2, TIS Flameproof with 2 pcs. Of cable gland attached.	3					23
		G1/2, TIS intrinsically safe	K					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
VII	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.
- HART Communication can not be combined with Special burn-out feature.**
- The lowest output limit is -1.25%(3.8mA).
- 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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Options 2 : Refer to page 1-4-56

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

Selections				Additional price	
I	Output	4 to 20mA	1	0	
		Digital output (DE protocol)	3	0	
		4 to 20mA (HART protocol)	5	5	
II	Material	Meterbody	Vent/Drain	Wetted parts of	
		SCS14A *32	SUS316	SUS316	E
		SCS14A *32	SUS316	HastelloyC	F
		SCS14A *32	SUS316	Tantalum	H
		SCS14A *32	SUS316	SUS316L	K
		PVC	PVC	Tantalum	P
II	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	
		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	
		1/2 NPT internal thread, side connection	H	0	
		Rc 1/4, top connection	L	10	
		Rc 1/4, bottom connection	M	10	
		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	
		1/4 NPT internal thread, side connection	T	0	
		V	Bolt/nut	Carbon steel	1
SUS304	2			11	
SUS630	3			35	
VI	Electrical connection / explosion-proof	G1/2, Watertight	X	0	
		G1/2, TILS Flameproof with 1 pc. Of cable gland attached.	2	14	
		G1/2, TILS Flameproof with 2 pcs. Of cable gland attached.	3	23	
		G1/2, TILS intrinsically safe	K	5	
		1/2 NPT, Watertight	A	0	
VII	Built-in indicating smart	None	X	0	
		0 to 100 % linear scales	1	25	
		Engineering unit scales	2	30	
VII	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	

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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	
Selections						
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	Meterbody	Vent/Drain	Wetted parts of		
		SCS14A *32	SUS316	Tantalum	H	
		PVC	PVC	Tantalum	P	
	*6 *27 *28				72	
					56	
II	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	
		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	
		1/2 NPT internal thread, side connection	H		0	
		Rc 1/4, top connection	L		10	
		Rc 1/4, bottom connection	M		10	
		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	
		1/4 NPT internal thread, side connection	T		0	
		V	Bolt/nut	Carbon steel	1	
SUS304	2				11	
SUS630	3				35	
Options 1						
VI	Electrical connection / explosion-proof	G1/2, Watertight	X		0	
		G1/2, TIIS Flameproof with 1 pc. Of cable gland attached.	2		14	
		G1/2, TIIS Flameproof with 2 pcs. Of cable gland attached.	3		23	
		G1/2, TIIS intrinsically safe	K		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	
VII	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

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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
	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)	29
	E6	Water free finish (included oil free finish) High Grade	35
	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	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.
- 18 "Lower limit of output at abnormal condition" - code D must be selected for Options 1 "V", Burnout feat
- 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.