

# ST3000 New Ace Electric Pressure Transmitter absolute pressure type

Issued: Dec. 15, 2000	Page: 1-4-53
Effective: Dec. 1, 2011	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**  
 - III III IV V      - VI VII VIII IX X      - Options 2

Options 2 : Refer to page 1-4-56

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

Selections		Additional price					
I	Output	4 to 20mA	1	0			
		Digital output (DE protocol)	3	*1,*2			
		4 to 20mA (HART protocol)	5	*3,*4			
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*7	PVC*7	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			
		Rc 1/2, side connection	C	0			
		*27	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, TIIIS Flameproof with 1 pc. Of cable gland attached.	2	14			
		G1/2, TIIIS Flameproof with 2 pcs. Of cable gland attached.	3	23			
		G1/2 TIIIS Intrinsically Safe	K	5			
		G1/2 KOSA Explosionproof	P	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.
- 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.
- In case PVC is selected, not applicable for the combination with code T2, T5, and T6 of Option code.
- 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.      I II III IA A      - AI All III IX X      - O      3

Options 2 : Refer to page 1-4-56

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

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	Meterbody	Vent/Drain	Wetted parts of			
		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*7	PVC*7	Tantalum	P	56
							36
III	Fill Fluid	For oxygen service (Fluorine oil)	2				
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		0
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		
		G1/2 KOSA Explosionproof	P		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		
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

- 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.
- In case PVC is selected, not applicable for the combination with code T2, T5, and T6 of Option code.
- 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 SUS316

# ST3000 New Ace Electric Pressure Transmitter absolute pressure type

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

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

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	Meterbody	Vent/Drain	Wetted parts of	
		SCS14A *32	SUS316	Tantalum H	72
		*6 *27 *28	PVC*7	PVC*7 Tantalum P	56
					36
III	Fill Fluid	For chlorine service (Fluorine oil)	5		
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	0	
		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	
		G1/2 KOSA Explosionproof	P	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.
- 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.
- In case PVC is selected, not applicable for the combination with code T2, T5, and T6 of Option code.
- 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 SUS316

**ST3000 New Ace Electric Pressure Transmitter  
absolute pressure type**

Issued: Spt. 15, 2001	Page: 1-4-56
Effective: Dec. 1, 2009	UNIT: 1000YEN

			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 chlorine 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 fee
- 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.