

ST3000 New Ace Electric Absolute Pressure Transmitter Remote-sealed

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	High temperature and vacuum(Silicon oil), High temperature and high vacuum(Silicon oil)	Flush diaphragm 3 in. (80mm)
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 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.				Basic price
	Measuring span	4 to 104kPa abs (30 to 780mmHg abs)	JTS922A	538
		35 to 3500kPa abs (0.35 to 35kgf/cm2 abs)	JTS940A	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.

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

Issued : Spt. 15, 2001

Page : 1-4-74

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	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.	Basic price
Measuring span	
4 to 104kPa abs (30 to 780mmHg abs)	JTS922A 538
35 to 3500kPa abs (0.35 to 35kgf/cm2 abs)	JTS940A 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

- Digital output (DE protocol) should be selected with Upper/lower 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).
- Flange rating should be selected based on the operative pressure range.

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

Issued : Spt. 15, 2001	Page : 1-4-75
Effective : Apr. 1, 2007	UNIT : 1000YEN

Basic model No. Selections Options 1 -Options 2

- I II III IV V VI VII VIII -IX X XI XII XIII XIV

Options1				Additional price
IX	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	6	5
		1/2 NPT, Watertight	A	0
X	Builing indicating smart meter	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
XI	Finish of gasket	Standard (JISRa3.2(12.5S))	X	0
XII	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	Mouting bracket	None	X	0
		Carbon steel	1	3
		SUS304	2	10

Option 2			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 service) *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.