

ST3000 New Ace Electric Differential Pressure Transmitter Remote-sealed

Model	Pressure range/style	Service (Fill fluid)	Process connection
JTE929A	2.5 to 100kPa (250 to 10,160mmH2O)	Medium differential pressure Chlorine service(Fluorine oil)	Flush diaphragm 3 in. (80mm)
JTE930A	35 to 700kPa (0.35 to 7kgf/cm2)	High differential pressure Chlorine service(Fluorine oil)	Flush diaphragm 3 in. (80mm)

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Options 1, 2 : Refer to page 1-4-35

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

Basic model No.	Measuring span	Basic price
	2.5 to 100kPa (250 to 10,160mmH2O)	594
	35 to 3500kPa (0.35 to 35kgf/cm2)	606

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 of wetted part	Tantalum	4	250
III Fill Fluid	For chlorine service (Fluorine oil)	5	62
IV Flange rating	JIS 10K	A	0
	JIS 20K	C	35
	JIS 30K	D	55
	*11 JIS 63K	F	180
	ANSI 150	G	0
	ANSI 300	H	35
	*11 ANSI 600	J	180
	JPI 150	N	0
	JPI 300	P	35
	*11 JPI 600	Q	180
	V Flange size	3 in. / 80 mm	2
VI Flange type	Standard	1	0
VII Flange material/bolt and nut	SUS304/Carbon steel	D	0
	SUS304/SUS304	E	10
	SUS304/SUS630	F	20
	SUS316/Carbon steel	G	80
	SUS316/SUS304	H	90
	SUS316/SUS630	J	100
	SUS316L/Carbon steel	K	100
	SUS316L/SUS304	L	110
	SUS316L/SUS630	M	120
VIII Length of Capillary tube	2m	2	5
	3m	3	10
	4m	4	20
	5m	5	30
	6m	6	40
	7m	7	50
	8m	8	60
	9m	Q	70
	10m	A	80
	Length of capillary tube with Olefin coating	B	25
	2m	C	30
	3m	H	40
	4m	D	50
	5m	J	60
	6m	E	70
	7m	F	80
	8m	K	90
	9m	G	100

Note

- 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).
- Dual diaphragm is not available for JIS63K, ANSI600 and JPI600 for a flange rating.

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Model	Pressure range/style	Service (Fill fluid)	Process connection
JTE929A	2.5 to 100kPa (250 to 10,160mmH ₂ O)	Medium differential pressure High temperature and vacuum(Silicon oil), High temperature and high vacuum(Silicon oil)	Flush diaphragm 3 in. (80mm)
JTE930A	35 to 700kPa (0.35 to 7kgf/cm ²)	High differential pressure High temperature and vacuum(Silicon oil), High temperature and high vacuum(Silicon oil)	Flush diaphragm 3 in. (80mm)

Selections Options 1

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

Options 1, 2 : Refer to page 1-4-35

Basic Model No.	Measuring span	Basic price
	2.5 to 100kPa(250 to 10,160mmH ₂ O)	594
	35 to 3500kPa(0.35 to 35kgf/cm ²)	606

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	
		Tantalum *15	4	400	
		Hastelloy C	H	250	
III	Fill Fluid	For high temperature vacuum (Silicon oil)	4	506	
		For high temperature high vacuum (Silicon oil)	7	906	
IV	Flange rating	JIS 10K	A	0	
		JIS 20K	C	35	
		JIS 30K	D	55	
		JIS 63K	F	180	
		ANSI 150	G	0	
		ANSI 300	H	35	
		ANSI 600	J	180	
		JPI 150	N	0	
		JPI 300	P	35	
		JPI 600	Q	180	
V	Flange size	3 in. / 80 mm	2	0	
VI	Flange type	Standard	1	0	
VII	Flange material/bolt and nut	SUS304/Carbon steel	D	0	
		SUS304/SUS304	E	10	
		SUS304/SUS630	F	20	
		SUS316/Carbon steel	G	80	
		SUS316/SUS304	H	90	
		SUS316/SUS630	J	100	
		SUS316L/Carbon steel	K	100	
		SUS316L/SUS304	L	110	
SUS316L/SUS630	M	120			
VIII	Length of Capillary tube	2m	2	5	
		3m	3	10	
		4m	4	20	
		5m	5	30	
		6m	6	40	
		7m	7	50	
		8m	8	60	
		9m	Q	70	
		10m	A	80	

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).
- Dual diaphragm is not available for JIS63K, ANSI600 and JPI600 for a flange rating.
- If the fill fluid is for high temperature service and wetted part material is Tantalum, the applicable temperature

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Model	Pressure range/style	Service (Fill fluid)	Process connection
JTE929A	2.5 to 100kPa (250 to 10,160mmH2O)	Medium differential pressure Regular service(Silicon oil), High temperature (Silicon oil), Oxygen service(Fluorine oil)	Flush diaphragm 2 in. (50mm)/1.5 in.(40mm)
JTE930A	35 to 700kPa (0.35 to 7kgf/cm2)	High differential pressure Regular service(Silicon oil), High temperature (Silicon oil), Oxygen service(Fluorine oil)	Flush diaphragm 2 in. (50mm)/1.5 in.(40mm)

Options 1, 2 : Refer to page 1-4-35

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
	2.5 to 100kPa(250 to 10,160mmH2O)	JTE929A 594
	35 to 350kPa(0.35 to 35kgf/cm2)	JTE930A 606

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	
	Tantalum *15 *35	4	295	
	SUS316L	8	40	
	Hastelloy C	H	155	
III Fill Fluid	Regular type (Silicone oil)	1	0	
	For oxygen service (Fluorine oil)	2	62	
	For High temperature service (Silicon oil)	3	62	
IV Flange rating	JIS 10K	A	0	
	JIS 20K	C	35	
	JIS 30K	D	55	
	JIS 63K	F	180	
	ANSI 150	G	0	
	ANSI 300	H	35	
	ANSI 600	J	180	
	JPI 150	N	0	
	JPI 300	P	35	
	JPI 600	Q	180	
V Flange size	2 in./50mm	3	0	
	1.5 in./40mm *11 *35	4	0	
VI Flange type	Standard	1	0	
VII Flange material/bolt and nut	SUS304/Carbon steel	D	0	
	SUS304/SUS304	E	10	
	SUS304/SUS630	F	20	
	SUS316/Carbon steel	G	80	
	SUS316/SUS304	H	90	
	SUS316/SUS630	J	100	
	SUS316L/Carbon steel	K	100	
	SUS316L/SUS304	L	110	
	SUS316L/SUS630	M	120	
VIII Length of Capillary tube	2m	2	5	
	3m	3	10	
	4m *25	4	20	
	5m *25	5	30	
	Length of capillary tube with Olefin coating			
	2m	B	25	
	3m	C	30	
	4m *25	H	40	
	5m *25	D	50	

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).
- Dual diaphragm is not available for JIS63K, ANSI600 and JPI600 for a flange rating.
- If the fill fluid is for high temperature service and wetted part material is Tantalum, the applicable temperature
- The performance is as follows. Temperature characteristics and static pressure effect becomes 1.5 x high
- In the case the wetted parts material is Tantalum and the flange size is 1-1/2 in., the minimum span is 10kPa.

SI 3000 NEW Ace ELECTRIC Differential Pressure Transmitter Remote-sealed diaphragm style

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Model	Pressure range/style	Service (Fill fluid)	Process connection
JTE929A	2.5 to 100kPa (250 to 10,160mmH2O)	Medium differential pressure	Chlorine service(Fluorine oil)
JTE930A	35 to 700kPa (0.35 to 7kgf/cm2)	High differential pressure	Chlorine service(Fluorine oil)

Options 1, 2 : Refer to page

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

Basic model No.	Measuring span	Model	Basic price
	2.5 to 100kPa(250 to 10,160mmH2O)	JTE929A	594
	35 to 3500kPa(0.35 to 35kgf/cm2)	JTE930A	606

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
			4		295
II	Material of	Tantalum	4	62	
III	Fill Fluid	For chlorine service (Fluorine oil)	5	0	
IV	Flange rating	JIS 10K	A	0	
		JIS 20K	C	35	
		JIS 30K	D	55	
		*11 JIS 63K	F	180	
		ANSI 150	G	0	
		ANSI 300	H	35	
		*11 ANSI 600	J	180	
		JPI 150	N	0	
		JPI 300	P	35	
		*11 JPI 600	Q	180	
		V	Flange size	2 in./50mm	3
1.5 in./40mm *35	4			0	
VI	Flange type	Standard	1	0	
VII	Flange material/bolt and nut	SUS304/Carbon steel	D	0	
		SUS304/SUS304	E	10	
		SUS304/SUS630	F	20	
		SUS316/Carbon steel	G	80	
		SUS316/SUS304	H	90	
		SUS316/SUS630	J	100	
		SUS316L/Carbon steel	K	100	
		SUS316L/SUS304	L	110	
		SUS316L/SUS630	M	120	
VIII	Length of Capillary tube	2m	2	5	
		3m	3	10	
		4m *25	4	20	
		5m *25	5	30	
	Length of capillary tube with Olefin coating	2m	B	25	
		3m	C	30	
		4m *25	H	40	
		5m *25	D	50	

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).
- Dual diaphragm is not available for JIS63K, ANSI600 and JPI600 for a flange rating.
- The performance is as follows. Temperature characteristics and static pressure effect becomes 1.5 x high
- In the case the wetted parts material is Tantalum and the flange size is 1-1/2 in., the minimum span is 10kPa.

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Model	Pressure range/style		Service (Fill fluid)	Process connection
JTE929A	2.5 to 100kPa (250 to 10,160mmH2O)	Medium differential pressure	High temperature and vacuum(Silicon oil), High temperature and high vacuum(Silicon oil)	Flush diaphragm 2 in. (50mm)/1.5 in.(40mm)
JTE930A	35 to 700kPa (0.35 to 7kgf/cm2)	High differential pressure	High temperature and vacuum(Silicon oil), High temperature and high vacuum(Silicon oil)	Flush diaphragm 2 in. (50mm)/1.5 in.(40mm)

Selections

Options 1

Options 1, 2 : Refer to page 1-4-35

Basic model No. - I II III IV V VI VII VIII

- IX X XI XII XIII XIV

-Options 2

Basic model No.	Measuring span	Service (Fill fluid)	Options 2	Basic price
	2.5 to 100kPa(250 to 10,160mmH2O)	JTE929A		594
	35 to 3500kPa(0.35 to 35kgf/cm2)	JTE930A		606

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
		Tantalum *15	4	400
		Hastelloy C	H	250
III	Fill Fluid	For high temperature vacuum (Silicon oil)	4	506
		For high temperature high vacuum (Silicon oil)	7	906
IV	Flange rating	JIS 10K	A	0
		JIS 20K	C	35
		JIS 30K	D	55
		*11 JIS 63K	F	180
		ANSI 150	G	0
		ANSI 300	H	35
		*11 ANSI 600	J	180
		JPI 150	N	0
		JPI 300	P	35
		*11 JPI 600	Q	180
V	Flange size	2 in. /50mm	3	0
		1.5 in. /40mm *11	4	0
VI	Flange type	Standard	1	0
VII	Flange material/bolt and nut	SUS304/Carbon steel	D	0
		SUS304/SUS304	E	10
		SUS304/SUS630	F	20
		SUS316/Carbon steel	G	80
		SUS316/SUS304	H	90
		SUS316/SUS630	J	100
		SUS316L/Carbon steel	K	100
		SUS316L/SUS304	L	110
VIII	Length of Capillary tube	2m	2	5
		3m	3	10
		4m	4	20
		5m	5	30

Notes

- 1 Digital output (DE protocol) should be selected with upper/lower direction 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).
- 11 Dual diaphragm is not available for JIS63K, ANSI600 and JPI600 for a flange rating.
- 15 If the fill fluid is for high temperature service and wetted part material is Tantalum, the applicable temperature

ST3000 New Ace Electric Differential Pressure Transmitter Remote-sealed

Model	Pressure range/style	Service (Fill fluid)	Process connection
JTE929A	2.5 to 100kPa (250 to 10.160mmH2O)	Medium differential pressure	Regular service(Silicon oil), High temperature (Silicon oil), Oxygen service(Fluorine oil)
JTE930A	35 to 700kPa (0.35 to 7kgf/cm2)	High differential pressure	Regular service(Silicon oil), High temperature (Silicon oil), Oxygen service(Fluorine oil)

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Options 1, 2 : Refer to page 1-4-35

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

Basic model No.	Measuring spa	Basic price
	2.5 to 100kPa(250 to 10.160mmH2O)	594
	35 to 3500kPa(0.35 to 35kgf/cm2)	606

Selections			Additional price		
I	Output	4 to 20mA	0		
		Digital output (DE protocol)	0		
		4 to 20mA (HART protocol)	5		
		SUS316 (Diaphragm : SUS316L)	120		
		SUS316L	0		
II	Material of	Regular type (Silicone oil)	0		
		For oxygen service (Fluorine oil)	62		
		For High temperature service (Silicon oil)	62		
III	Fill Fluid	JIS 10K	0		
		JIS 20K	50		
		JIS 30K	70		
		ANSI 150	0		
		ANSI 300	50		
		JPI 150	0		
		JPI 300	50		
IV	Flange rating	A	0		
		C	50		
		D	70		
		G	0		
		H	50		
		N	0		
		P	50		
		V	Flange size	1/2 in 101mm	0
				1	123
				2	136
3	150				
4	175				
5	189				
6	200				
7	213				
VII	Flange type			length of extended part 50mm	2
				length of extended part 100mm	3
		length of extended part 150mm	4		
		length of extended part 200mm	5		
		length of extended part 250mm	6		
		length of extended part 300mm	7		
		VIII	Flange material/bolt	SUS304/Carbon steel	0
				SUS304/SUS304	10
				SUS304/SUS630	20
				SUS316/Carbon steel	80
SUS316/SUS304	90				
SUS316/SUS630	100				
SUS316L/Carbon steel	100				
SUS316L/SUS304	110				
SUS316L/SUS630	120				
VIII	Length of Canillary tube			2m	5
		3m	10		
		4m	20		
		5m	30		
		6m	40		
		7m	50		
		8m	60		
		9m	70		
		10m	80		
		Length of capillary tube with Olefin	2m	25	
	3m		30		
	4m		40		
	5m		50		
	6m		60		
	7m		70		
	8m		80		
	9m		90		
	10m		100		

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).
- Dual diaphragm is not available for JIS63K, ANSI600 and JPI600 for a flange rating.
- If the fill fluid is for high temperature service and wetted part material is Tantalum, the applicable temperature range of wetted part is

S13000 NEW ACE Electric Differential Pressure Transmitter Remote-sealed diaphragm style

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Model	Pressure range/style	Service (Fill fluid)	Process connection
JTE929A	2.5 to 100kPa (250 to 10,160mmH2O) Medium differential pressure	High temperature and vacuum(Silicon oil), High temperature and high vacuum(Silicon oil)	Extended flange type 4 in. (100mm)
JTE930A	35 to 700kPa (0.35 to 7kgf/cm2) High differential pressure	High temperature and vacuum(Silicon oil), High temperature and high vacuum(Silicon oil)	Extended flange type 4 in. (100mm)

Selections Options 1

Options 1, 2 : Refer to page 1-4-35

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
	2.5 to 100kPa(250 to 10,160mmH2O)	JTE929A 594
	35 to 3500kPa(0.35 to 35kgf/cm2)	JTE930A 606

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 8 120
III Fill Fluid	For high temperature vacuum (Silicon oil) 4 506
	For high temperature high vacuum (Silicon oil) 7 906
IV Flange rating	JIS 10K A 0
	JIS 20K C 50
	JIS 30K D 70
	ANSI 150 G 0
	ANSI 300 H 50
	JPI 150 N 0
	JPI 300 P 50
V Flange size	4 in./100A 1 0
VI Flange type	Length of extended part 50mm 2 123
	Length of extended part 100mm 3 136
	Length of extended part 150mm 4 150
	Length of extended part 200mm 5 175
	Length of extended part 250mm 6 189
	Length of extended part 300mm 7 200
VII Flange material/bolt and nut	SUS304/Carbon steel D 0
	SUS304/SUS304 E 10
	SUS304/SUS630 F 20
	SUS316/Carbon steel G 80
	SUS316/SUS304 H 90
	SUS316/SUS630 J 100
	SUS316L/Carbon steel K 100
	SUS316L/SUS304 L 110
	SUS316L/SUS630 M 120
VIII Length of Capillary tube	2m 2 5
	3m 3 10
	4m 4 20
	5m 5 30
	6m 6 40
	7m 7 50
	8m 8 60
	9m 9 70
	10m A 80

Notes

- 1 Digital output (DE protocol) should be selected with upper/lower direction 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).

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

Model	Pressure range/style	Service (Fill fluid)	Process connection
JTE929A	2.5 to 100kPa (250 to 10,160mmH2O)	Medium differential pressure	Regular service(Silicon oil), High temperature (Silicon oil), Oxygen service(Fluorine oil)
JTE930A	35 to 700kPa (0.35 to 7kgf/cm2)	High differential pressure	Regular service(Silicon oil), High temperature (Silicon oil), Oxygen service(Fluorine oil)

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Options 1, 2 : Refer to page 1-4-35

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
	2.5 to 100kPa(250 to 10,160mmH2O)	JTE929A 594
	35 to 3500kPa(0.35 to 35kgf/cm2)	JTE930A 606

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		120
III	Fill Fluid	Regular type (Silicone oil)	1	0	
		For oxygen service (Fluorine oil)	2		62
		For High temperature service (Silicon oil)	3		62
IV	Flange rating	JIS 10K	A	0	
		JIS 20K	C	50	
		JIS 30K	D	70	
		ANSI 150	G	0	
		ANSI 300	H	50	
		JPI 150	N	0	
		JPI 300	P	50	
V	Flange size	3 in./80 mm	2	0	
		2 in./ 50 mm	3	0	
VI	Flange type	Length of extended part 50mm	2	123	
		Length of extended part 100mm	3	136	
		Length of extended part 150mm	4	150	
		Length of extended part 200mm	5	175	
		Length of extended part 250mm	6	189	
		Length of extended part 300mm	7	200	
VII	Flange material/bolt and nut	SUS304/Carbon steel	D	0	
		SUS304/SUS304	E	10	
		SUS304/SUS630	F	20	
		SUS316/Carbon steel	G	80	
		SUS316/SUS304	H	90	
		SUS316/SUS630	J	100	
		SUS316L/Carbon steel	K	100	
		SUS316L/SUS304	L	110	
VIII	Length of Capillary tube	2m	2	5	
		3m	3	10	
		4m *25	4	20	
		5m *25	5	30	
		Length of capillary tube with Olefin coating			
	2m	B	25		
	3m	C	30		
	4m *25	H	40		
	5m *25	D	50		

Notes

- 1 Digital output (DE protocol) should be selected with upper/lower direction 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).
- 11 Dual diaphragm is not available for JIS63K, ANSI600 and JPI600 for a flange rating.
- 15 If the fill fluid is for high temperature service and wetted part material is Tantalum, the applicable temperature range of wetted part is as follows.
- 25 The performance is as follows. Temperature characteristics and static pressure effect becomes 1.5 x high temperature model

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

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Model	Pressure range/style	Service (Fill fluid)	Process connection
JTE929A	2.5 to 100kPa (250 to 10,160mmH2O)	Medium differential pressure High temperature and vacuum(Silicon oil), High temperature and high vacuum(Silicon oil)	Extended flange type 3 in. (80mm)/2 in. (50mm)
JTE930A	35 to 700kPa (0.35 to 7kgf/cm2)	High differential pressure High temperature and vacuum(Silicon oil), High temperature and high vacuum(Silicon oil)	Extended flange type 3 in. (80mm)/2 in. (50mm)

Selections Options 1

Options 1, 2 : Refer to page 1-4-3!

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
	2.5 to 100kPa(250 to 10,160mmH2O)	JTE929A 594
	35 to 3500kPa(0.35 to 35kgf/cm2)	JTE930A 606

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	120
III	Fill Fluid	For high temperature vacuum (Silicon oil)	4	506
		For high temperature high vacuum (Silicon oil)	7	906
IV	Flange rating	JIS 10K	A	0
		JIS 20K	C	50
		JIS 30K	D	70
		ANSI 150	G	0
		ANSI 300	H	50
		JPI 150	N	0
		JPI 300	P	50
V	Flange size	3 in./80 mm	2	0
		2 in./50 mm	3	0
VI	Flange type	Length of extended part 50mm	2	123
		Length of extended part 100mm	3	136
		Length of extended part 150mm	4	150
VII	Flange material/bolt and nut	SUS304/Carbon steel	D	0
		SUS304/SUS304	E	10
		SUS304/SUS630	F	20
		SUS316/Carbon steel	G	80
		SUS316/SUS304	H	90
		SUS316/SUS630	J	100
		SUS316L/Carbon steel	K	100
		SUS316L/SUS304	L	110
SUS316L/SUS630	M	120		
VIII	Length of Capillary tube	2m	2	5
		3m	3	10
		4m	4	20
		5m	5	30

Notes

- 1 Digital output (DE protocol) should be selected with upper/lower direction 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).

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

Issued : Spt. 15, 2001 Page : 1-4-33
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Model	Pressure range/style	Service (Fill fluid)	Process connection
JTE929A	2.5 to 100kPa (250 to 10,160mmH ₂ O)	Regular service(Silicon oil), High temperature (Silicon oil), Oxygen service(Fluorine oil)	Combination flange of flush 3in.(80mm) And extended 4
JTE930A	35 to 700kPa (0.35 to 7kgf/cm ²)	Regular service(Silicon oil), High temperature (Silicon oil), Oxygen service(Fluorine oil)	Combination flange of flush 3in.(80mm) And extended 4

Selections Options 1

Options 1, 2 : Refer to page 1-4-35

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
	2.5 to 100kPa(250 to 10,160mmH ₂ O)	JTE929A 594
	35 to 3500kPa(0.35 to 35kgf/cm ²)	JTE930A 606

Additional price

Selections	Options	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	
	SUS316 (Diaphragm : SUS316L)	2 0	
	SUS316L	8 120	
III Fill Fluid	Regular type (Silicone oil)	1 0	
	For oxygen service (Fluorine oil)	2 62	
	For High temperature service (Silicon oil)	3 62	
IV Flange rating	JIS 10K	A 0	
	JIS 20K	C 50	
	JIS 30K	D 70	
	ANSI 150	G 0	
	ANSI 300	H 50	
	JPI 150	N 0	
	JPI 300	P 50	
V Flange size	3 in. (80mm) flush diaphragm type/ 4 in. (100mm)	F 0	
VI Flange type	Length of extended part 50mm	2 123	
	Length of extended part 100mm	3 136	
	Length of extended part 150mm	4 150	
	Length of extended part 200mm	5 175	
	Length of extended part 250mm	6 189	
	Length of extended part 300mm	7 200	
	VII Flange material/bolt and nut	SUS304/Carbon steel	D 0
SUS304/SUS304		E 10	
SUS304/SUS630		F 20	
SUS316/Carbon steel		G 80	
SUS316/SUS304		H 90	
SUS316/SUS630		J 100	
SUS316L/Carbon steel		K 100	
SUS316L/SUS304		L 110	
SUS316L/SUS630		M 120	
VIII Length of Capillary tube		2m	2 5
	3m	3 10	
	4m	4 20	
	5m	5 30	
	6m	6 40	
	7m	7 50	
	8m	8 60	
	9m	Q 70	
	10m	A 80	
	Length of capillary tube with Olefin	2m	B 25
		3m	C 30
		4m	H 40
		5m	D 50
		6m	J 60
		7m	E 70
		8m	F 80
		9m	K 90
		10m	G 100

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)
- Dual diaphragm is not available for JIS63K ANSI600 and JPI600 for a flange rating
- If the fill fluid is for high temperature service and wetted part material is Tantalum, the applicable temperature

**SI3000 NEW ACE ELECTRIC DIFFERENTIAL
Pressure Transmitter Remote-sealed
diaphragm style**

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Model	Pressure range/style	Service (Fill fluid)	Process connection
JTE929A	2.5 to 100kPa (250 to 10,160mmH2O)	Medium differential pressure	Regular service(Silicon oil), High temperature (Silicon oil), Oxygen service(Fluorine oil)
JTE930A	35 to 700kPa (0.35 to 7kgf/cm2)	High differential pressure	Regular service(Silicon oil), High temperature (Silicon oil), Oxygen service(Fluorine oil)

Options 1, 2 : Refer to page 1-4-35

Selections
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
	2.5 to 100kPa(250 to 10,160mmH2O)	JTE929A 594
	35 to 350kPa(0.35 to 35kgf/cm2)	JTE930A 606

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 Wetted part material	
SUS316 (Diaphragm : SUS316L)	2 0
SUS316L	8 120
III Fill fluid	
Regular type (Silicone oil)	1 0
For oxygen service (Fluorine oil)	2 62
For high temperature service (Silicon oil)	3 62
*11 *15	
IV Flange rating	
JIS 10K	A 0
JIS 20K	C 50
JIS 30K	D 70
ANSI 150	G 0
ANSI 300	H 50
JPI 150	N 0
JPI 300	P 50
V Flange size	
2in. (50mm) flush diaphragm type/ 2in. (50mm)	H 0
2in. (50mm) flush diaphragm type/ 3in. (80mm)	O 0
1.5in. (40mm) flush diaphragm type/ 2in. (50mm)	Y 0
VI Flange type	
Length of extended part 50mm	2 123
Length of extended part 100mm	3 136
Length of extended part 150mm	4 150
Length of extended part 200mm	5 175
Length of extended part 250mm	6 189
Length of extended part 300mm	7 200
VII Flange material/bolt and nut	
SUS304/Carbon steel	D 0
SUS304/SUS304	E 10
SUS304/SUS630	F 20
SUS316/Carbon steel	G 80
SUS316/SUS304	H 90
SUS316/SUS630	J 100
SUS316L/Carbon steel	K 100
SUS316L/SUS304	L 110
SUS316L/SUS630	M 120
VIII Length of capillary tube	
2m	2 5
3m	3 10
4m *25	4 20
5m *25	5 30
Length of capillary tube with Olefin coating	
2m	B 25
3m	C 30
4m *25	H 40
5m *25	D 50

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).
- Dual diaphragm is not available for JIS63K, ANSI600 and JPI600 for a flange rating.
- If the fill fluid is for high temperature service and wetted part material is Tantalum, the applicable temperature range of wetted part is from -10 to 180 deg.C
- The performance is as follows. Temperature characteristics and static pressure effect becomes 1.5 x high temperature model. For details, refer to specification sheets.

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

Issued : Spt. 15, 2001	Page : 1-4-35
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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
Options 1				
IX	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	
X	Bumping indicating smart meter	None	X	0
		0 to 100 % linear scale	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 conditio	U	7
		Lower limit of output at abnormal conditio	D	7
XIV	Mounting bracke	None	X	0
		Carbon steel	1	3
		Direct mounting	P	30
		SUS304	2	10

Option 2	Additional prices	
XX	No options	0
A2	External Zero adjustment *	30
A4	Lightning arrester	18
A5	Long vent/drain plugs	10
A6	1/2 in. remote mounting kit	Refer to page 2-180
B7	For mounting a high load resistance smart metr	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 : revert	0
D1	Water free finish (included oil free finish)	29
D2	Oil free finish *16	19
E4	Dinghlam Tickness 0.1mm *41	50
G1	One elbow (left)	2
G2	One elbow (right)	2
G3	2 elbows	4
G6	Adapter for dual diaphragm	Refer to Next pages
J8	Special burn-out feature (3.2mA) *11	20
T1	Test report	2
T2	Material certificate *15	21
T5	Strength calculation sheet	15
T6	Withstand pressure and airtight tes *21	40
T8	Traceability certificate	10
U2	Non-SI unit conformance	0
E4	Diaphragm tickness 0.1mm (3in.	50
E4	Diaphragm tickness 0.1mm (4in.	50
D3	EEP Protect cover	21

Notes

- 1 Digital output (DE protocol) should be selected with upper/lower direction or 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.**
- 11 Dual diaphragm is not available for JIS63K, ANSI600 and JPI600 for a flange rating.
- 14 This selection is not available for high temperature service/high temperature vacuum service/high temperature high vacuum
- 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 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.
- 41 Available only for wetted part material "SUS316,SUS316L".

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

Issued : Spt. 15, 2001	Page : 1-4-36
Effective : Apr. 1, 2007	UNIT : 1000YEN

Dual diaphragm adapter (Flush flange 3 in.),

For regular service (fill fluid : silicon oil), oxygen service and chlorine service(fill fluid : Florine oil)

Selections Options

HH -I II III IV V VI VII - VIII

Basic Model No.

Basic Model No.				Basic price
Adpater for dual diaphragm				144
				Additional price
Selections				
I	Transmitter model number	JTE with 2 adapters	E	0
II	Material of wetted part	SUS316(Diaphragm:SUS316L)	2	0
		Tantalum	4	136
		Hasterlloy C	H	76
		SUS316L	8	6
III	Fill fluid	Regular type (Silicone oil)	1	0
		For oxygen service (Fluorine oil)	2	0
		For Chlorine service (Fluorine oil)	5	0
IV	Flange rating	JIS 10K	A	0
		JIS 20K	C	0
		JIS 30K	D	0
		ANSI 150	G	0
		ANSI 300	H	0
		JPI 150	N	0
		JPI 300	P	0
V	Flange size	3 in. /80 mm	2	0
VI	Flange type	Standard (Flush diaphragm)	1	0
VII	Finish of gasket face	Standard	X	0
Options				
VIII		No options	XX	0
	*13	Water free and oil free treatment	D1	0
	*13	Oil free treatment	D2	0
	*13	Material certificate	T2	0
	*13	Pressure test	T7	0

Notes

13 When this option is selected, the same option for transmitter must be selected.

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

Issued : Spt. 15, 2001	Page : 1-4-37
Effective : Apr. 1, 2007	UNIT : 1000YEN

Dual diaphragm adapter (Flush flange 2 in.),

For regular service (fill fluid : silicon oil), oxygen service and chlorine service(fill fluid : Florine oil)

Selections Options

HH - I II III IV V VI VII - VIII

Basic Model No.

Basic Model No.						Basic price
Adpater for dual diaphragm						144
						Additional price
Selections						
I	Transmitter model number	JTE with 2 adapters	E			0
II	Material of wetted part	SUS316 (Diaphragm:SUS316L)	2			0
		Tantalum	4			176
		SUS316L	8			6
III	Fill fluid	Regular type (Silicone oil)	1			0
		For oxygen service (Fluorine oil)	2			0
		For Chlorine service (Fluorine oil)	5			0
IV	Flange rating	JIS 10K		A		0
		JIS 20K		C		0
		JIS 30K		D		0
		ANSI 150		G		0
		ANSI 300		H		0
		JPI 150		N		0
		JPI 300		P		0
V	Flange size	2 in. /50 mm		3		0
VI	Flange type	Standard (Flush diaphragm)			1	0
VII	Finish of gasket	Standard			X	0
Options						-
VIII		No options			XX	0
	*13	Water free and oil free treatment			D1	0
	*13	Oil free treatment			D2	0
	*13	Material certificate			T2	0
	*13	Pressure test			T7	0

Notes

13 When this option is selected, the same option for transmitter must be selected.

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

Issued : Spt. 15, 2001	Page : 1-4-38
Effective : Apr. 1, 2007	UNIT : 1000YEN

Model	Pressure range/style	Service (Fill fluid)	Process connection
JTE929A	2.5 to 100kPa (250 to 10,160mmH2O)	Medium differential pressure	Sanitary (Propyleneglycol)
JTE930A	35 to 700kPa (0.35 to 7kgf/cm2)	High differential pressure	Sanitary (Propyleneglycol)

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	2.5 to 100kPa(250 to 10,160mmH2O)	JTE929A	594
	35 to 3500kPa(0.35 to 35kgf/cm2)	JTE930A	606

Selections				Additional price
I	Output	4 to 20mA	1	0
II	Material of wetted part	SUS316L	8	0
III	Fill Fluid	Propyleneglycol (Food additive)	B	80
IV	Ferrule standard	IDF	U	0
V	Clamp size	Clamp 4S	A	0
		Clamp 3S	B	5
		Clamp 2S	C	10
VI	Ferrule type	Standard (Flush diaphragm)	1	0
		Length of extended part 50mm	2	153
		Length of extended part 100mm	3	163
VII	Material of bolt and nut	Carbon steel	N	0
		SUS304	P	10
		SUS630	Q	20
VIII	Length of capillary tube with Olefin coating	2m	B	25
		3m	C	30
		5m	D	50

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
X	Building indicating smart meter	None	X	0
		0 to 100 % linear scales	1	25
		Engineering unit scales	2	30
XI	Finish	Standard	X	0
		Corrosion-proof	B	14
XII	Finish of gasket face	Standard (JISRa3.2(12.5S))	X	0
		Electro-polishing	A	30
		Passivation	B	30
XIII	Burnout feature *2	None	X	0
		Upper limit of output at abnormal condition	U	7
		Lower limit of output at abnormal condition	D	7
XIV	Mounting braket	None	X	0
		Carbon steel	1	3

Options 2			Additional price	
	No options	XX		0
	External Zero/span adjustment *1	A2		30
	Water free finish (included oil free finish)	D1		29
	Oil free finish *2	D2		19
	Food additive certificate	N8		3
	Special burn-out feature (3.2mA) *18	J8		20
	Test report	T1		2
	Material certificate	T2		21
	Traceability certificate	T8		10
	2 sets of IDF clamp with gaskets for Flush diaphragm type	S1		30
	2 sets of IDF clamp	S2		20
	2 sets of gaskets for Flush diaphragm type	S3		10
	Extended type Tank spud		50mm	100mm
	1 pc. For 4S clamp	S4	120	160
	1 pc. For 3S clamp	S4	95	110
	1 pc. For 2S clamp	S4	60	80
	2 pcs. For 4S clamp	S5	240	320
	2 pcs. For 3S clamp	S5	190	220
	2 pcs. For 2S clamp	S5	120	160

**ST3000 New Ace Electric Differential Pressure
Transmitter Remote-sealed diaphragm style**

Issued : Spt. 15, 2001	Page : 1-4-39
Effective : Apr. 1, 2007	UNIT : 1000YEN

Model	Pressure range/style		Service (Fill fluid)	Process connection
JTE929A	2.5 to 100kPa (250 to 10,160mmH2O)	Medium differential pressure	Sanitary (Propyleneglycol)	2S cap nut
JTE930A	35 to 700kPa (0.35 to 7kgf/cm2)	High differential pressure	Sanitary (Propyleneglycol)	2S cap nut

Selections Options 1

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 2.5 to 100kPa(250 to 10,160mmH2O)	JTE929A 594
35 to 350kPa(0.35 to 35kgf/cm2)	JTE930A 606

Selections					Additional price
I	Output	4 to 20mA	1		0
II	Material of wetted part	SUS316L	8		0
III	Fill Fluid	Propyleneglycol (Food additive)	B		80
IV	Ferrule standard	IDF	U		0
V	Nut size	Cap nut 2S	8		10
VI	Ferrule type	Standard (Flush diaphragm)	1		0
		Length of extended part 50mm	2		153
		Length of extended part 100mm	3		163
VII	Material of bolt and nut	Carbon steel	N		0
		SUS304	P		10
		SUS630	Q		20
VIII	Length of capillary tube with Olefin coating	2m	B		25
		3m	C		30
		5m	D		50

Options1

IX	Electrical connection	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
X	Building indicating smart meter	None	X		0
		0 to 100 % linear scales	1		25
		Engineering unit scales	2		30
XI	Finish	Standard	X		0
		Corrosion-proof	B		14
XII	Finish of gasket face	Standard (JISRa3.2(12.5S))	X		0
		Electro-polishing		A	30
		Passivation		B	30
XIII	Burnout feature *2	None	X		0
		Upper limit of output at abnormal condition		U	7
		Lower limit of output at abnormal condition		D	7
XIV	Mounting braket	None	X		0
		Carbon steel		1	3

Options 2

			Additional price
	No options	XX	0
	External Zero adjustment *1	A2	30
	Water free finish (included oil free finish)	D1	29
	Oil free finish *2	D2	19
	Food additive certificate	N8	3
	Test report	T1	2
	Material certificate	T2	21
	Traceability certificate	T8	10
	2 sets of IDF gaskets	S3	10