



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

Issued: Spt. 15, 2001	Page: 1-4-24
Effective: Dec. 1, 2009	UNIT: 1000YEN

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)

Options 1, 2 : Refer to page 1-4

Basic model No. - I II III IV V VI VII VIII - IX XX 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	
		Digital output (DE protocol)	3	*1, *2	0
		4 to 20mA (HART protocol)	5	*3, *4	5
II	Material of wetted	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	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	
		Length of capillary tube with Olefin coating	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	

**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.

# 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 10,160mmH <sub>2</sub> 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 <sup>2</sup> )	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 II 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 <sub>2</sub> O)	JTE929A 594
	35 to 3500kPa(0.35 to 35kgf/cm <sup>2</sup> )	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
		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 range of wetted part is from -10 to 180 deg.C

# 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 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 III IIII IV V VI VII VIII - IX X XI XII XIII XIV -Options 2

Basic model No.	Measuring span	Basic price
JTE929A	2.5 to 100kPa(250 to 10,160mmH2O)	594
JTE930A	35 to 3500kPa(0.35 to 35kgf/cm2)	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 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.
- In the case the wetted parts material is Tantalum and the flange size is 1-1/2 in., the minimum span is 10kPa.

# 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	Chlorine service(Fluorine oil)	Flush diaphragm 2 in. (50mm)/1.5 in.(40mm)
JTE930A	35 to 700kPa (0.35 to 7kgf/cm2) High differential pressure	Chlorine service(Fluorine oil)	Flush diaphragm 2 in. (50mm)/1.5 in.(40mm)

Options 1, 2 : Refer to page

Basic model No. - I III IIII 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	Tantalum	4	295
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	2 in./50mm	3	0
		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.
- 25 The performance is as follows. Temperature characteristics and static pressure effect becomes 1.5 x high temperature model. For details, refer to specification sheets.
- 35 In the case the wetted parts material is Tantalum and the flange size is 1-1/2 in., the minimum span is 10kPa.

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

Issued: Spt. 15, 2001	Page: 1-4-28
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Model	Pressure range/style	Service (Fill fluid)	Process connection
JTE929A	2.5 to 100kPa (250 to 10,160mmH <sub>2</sub> O)	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/cm <sub>2</sub> )	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

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 <sub>2</sub> O)	594
	35 to 3500kPa(0.35 to 35kgf/cm <sub>2</sub> )	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
		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).
- 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 from -10 to 180 deg.C

# 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 10,160mmH <sub>2</sub> O)	Regular service(Silicon oil), High temperature (Silicon oil), Oxygen service(Fluorine oil)	Extended flange type 4 in. (100mm)
JTE930A	35 to 700kPa (0.35 to 7kgf/cm <sup>2</sup> )	Regular service(Silicon oil), High temperature (Silicon oil), Oxygen service(Fluorine oil)	Extended flange type 4 in. (100mm)

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.			Basic price
Measuring spa	2.5 to 100kPa(250 to 10,160mmH <sub>2</sub> O)	JTE929A	594
	35 to 3500kPa(0.35 to 35kgf/cm <sup>2</sup> )	JTE930A	606

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 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	4 in./100mm	1	0
VII	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
VIII	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
		6m	6	40
		7m	7	50
		8m	8	60
		9m	Q	70
		10m	A	80
		Length of capillary tube with Olefin coating	2m	B
	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 range of wetted part is from -10 to 180 deg.C

# 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 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-

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

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
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	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).

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

Issued: Spt. 15, 2001	Page: 1-4-31
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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 pag

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
	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
	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

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Effective: Dec. 1, 2009	UNIT: 1000YEN

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)	Combination flange of flush 3in.(80mm) And extended 4
JTE930A	35 to 700kPa (0.35 to 7kgf/cm2)	High differential pressure Regular service(Silicon oil), High temperature (Silicon oil), Oxygen service(Fluorine oil)	Combination flange of flush 3in.(80mm) And extended 4

Basic model No.      Selections      Options 1      Options 1, 2 : Refer to page 1-4-  
 - 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. (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 coating	2m	B
	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 range of wetted part is from -10 to 180 deg.C

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

Issued: Spt. 15, 2001	Page: 1-4-34
Effective: Dec. 1, 2009	UNIT: 1000YEN

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

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
		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	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
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	B	25
	Length of capillary tube with Olefin	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: Dec. 15, 2000	Page: 1-4-35
Effective: Aug. 1, 2011	UNIT: 1000YEN

Basic model No.		Selections								Options 1				Options 2		Additional price	
		- I	II	III	IV	V	VI	VII	VIII	- IX	X	XI	XII	XIII	XIV		
IX	Electrical connection / explosion-proof	G1/2, Watertight														X	0
		G1/2, T1IS Flameproof with 1 pc. Of cable gland attached														2	14
		G1/2, T1IS Flameproof with 2 pcs. Of cable gland attached														3	23
		G1/2, T1IS intrinsically safe														K	5
		G1/2 KOSA Explosionproof														P	5
		1/2 NPT, Watertight														A	0
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-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 condition														U	7
		Lower limit of output at abnormal condition														D	7
XIV	Mounting bracket	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 *2	30
A4	Lightning arrestor	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 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
E4	Dingham 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) *18	20
T1	Test report	2
T2	Material certificate *19	21
T5	Strength calculation sheet	15
T6	Withstand pressure and airtight test *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	FFP Protect cover	21

## 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.
- Dual diaphragm is not available for JIS63K, ANSI600 and JPI600 for a flange rating.
- This selection is not available for high temperature service/high temperature vacuum service/high temperature high vacuum
- When the fill fluid is for oxygen or chlorine service, there is not needed to select this.
- "Lower limit of output at abnormal condition" - code D must be selected for Options 1 "V", Burnout feature.
- Available only for material of wetted part.
- When ordering, designed pressure and designed temperature are required.
- When ordering, withstand pressure and airtight test pressure are required.
- 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: Dec. 1, 2009	UNIT: 1000YEN

Dual diaphragm adapter (Flush flange 3 in.),

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

Selections Options

HH - I II III IV V VI VII - VIII

Basic Model No.	Basic price
Adpater for dual diaphragm	144

Selections

				Additional price
I	Transmitter model number	JTE with 2 adapters	E	0
II	Material of wetted part	SUS316(Diaphragm:SUS316)	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

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: Dec. 1, 2009	UNIT: 1000YEN

Dual diaphragm adapter (Flush flange 2 in.),

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

Selections Options

HH - I II III IV V VI \ - 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:SUS316)	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	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: Dec. 1, 2009	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) 4S/3S/2S clamp
JTE930A	35 to 700kPa (0.35 to 7kgf/cm2)	High differential pressure	Sanitary (Propyleneglycol) 4S/3S/2S clamp

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

Basic Model No.	Measuring span	Pressure range	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
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, TIS Flameproof with 1 pc. Of cable gland attached	2	14
		G1/2, TIS 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	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 bracket	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

