

PNEUMATIC DIFFERENTIAL PRESSURE ($\Delta P / P$) TRANSMITTER **STANDARD TYPE, HIGH STATIC PRESS TYPE (KDP)**

Model No. : KDP-

Basic		

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Selection					
I	II	III	IV	V	VI

 -

Option	
VII	

Model No. Ex.		Selection														
		I	II	III	IV	V		VI								
		H.P. Side Cover Material	L.P. Side Cover Material	H.P. Side Diaph. Material	L.P. Side Diaph. Material			Air Piping Connection	Pneumatic Signal							
						Rc 1 / 4 Internal	1 / 4 NPT Internal		0.2 to 1kgf / cm ²	3 to 15psi.	0.2 to 1.0 bar	20 to 100kPa	Pa / 19.6 to 98.1kPa (equality to 0.2 to 1.0kgf / cm2)	Dual scale Main : SI unit sub :Non SI unit / 20 to 100kPa	Dual scale Main : Non SI unit sub : SI unit / 0.2 to 1.0kgf/cm ²	
KDP22 -3333A1 -67		Model no. * 1					A	B	1	2	3	4	8	A	D	
Diff. Press (mm H ₂ O)		Basic No.	I	II	III	IV	Price	0	0	0	0	20	0	0	20	20
High Diff. Press. Type (2,500 to 50,000) KDP11 Middle Diff. Press. Type (250 to 5,500) KDP22	KDP11 KDP22	1	1	2	2	567	✓					✓		✓	✓	
		1	1	8	8	567	✓					✓		✓	✓	
		2	2	2	2	613	✓					✓		✓	✓	
		2	2	3	3	771	✓					✓		✓	✓	
		2	2	4	4	1,134	✓					✓		✓	✓	
		2	2	8	8	613	✓					✓		✓	✓	
		3	3	3	3	1,264	✓					✓		✓	✓	
		5	5	3	3	805	✓					✓		✓	✓	
Low diff. Press. Type (50 to 600)	KDP33	5	5	4	4	1,100	✓					✓		✓	✓	
		1	1	2	2	661	✓					✓		✓	✓	
		1	1	8	8	661	✓					✓		✓	✓	
		2	2	2	2	734	✓					✓		✓	✓	
		2	2	3	3	966	✓					✓		✓	✓	
		2	2	4	4	1,384	✓					✓		✓	✓	
		2	2	8	8	730	✓					✓		✓	✓	
		3	3	3	3	1,349	✓					✓		✓	✓	
Lowest Diff. Press Type (10 to 120)	KDP44	5	5	3	3	938	✓					✓		✓	✓	
		5	5	4	4	1,304	✓					✓		✓	✓	
High Static Press. Type	KDP81 KDP82	1	1	2	2	714	✓					✓		✓	✓	
		2	2	2	2	818	✓					✓		✓	✓	
		1	1	2	2	818	✓					✓		✓	✓	
		1	1	8	8	818	✓					✓		✓	✓	
		2	2	2	2	890	✓					✓		✓	✓	
		2	2	3	3	992	✓					✓		✓	✓	
KDP82	2	2	4	4	1,417	✓					✓		✓	✓		
	2	2	8	8	884	✓					✓		✓	✓		

Note * 1. Cover and Diaphragm Materials 1 : SF45, 2 : SUS316 (diaphragm SUS316L), 3: Monel, 4: Tantalum, 5 : PVC, 8 : SUS316L

* 3. Maximum Working pressure on Stainless Steel Bolts in as follows.

KDP11, 22 60kaf / cm² G in case of SF45, SUS316, Monel

15kaf / cm² G in case of PVC

KDP33 25kaf / cm² G in case of SF45, SUS316, Monel

10kaf / cm² G in case of PVC

KDP81, 82 230kaf / cm² G

* 4. Refer to common data on Y138 corrosion -proof coating. (Appendix page: 0-1-1)

PNEUMATIC DIFFERENTIAL PRESSURE (P / P) TRANSMITTER **STANDARD TYPE, HIGH STATIC PRESS TYPE (KDP)**

Model No. : KDP-

Basic		

 -

Selection		
I	II	III

Option		
IV	V	VI

 -

VII		

Model No. Ex. KDP22 -3333A1 -67		VII Option					Y -SPEC																	
		No option	Elevation	Suppression	Pressure regulator with filter	High accuracy type	(Refer to optional specifications)	Vacuum Use	With Steam Block	Stainless steel Bolt * 3	Corrosion -resistant coating	With Adjustable Damper *12	Process connection at instrument rear * 5	For oxygen measurement * 6	For chlorine gas measurement * 7	With 100mm Output indicator	For transmitter KDP22,33,82 Small flow measurement	High earthquake-proof						
		Model no	X	5	6	7	H	23	29	66	138[]		169	171	182	183	185	186	188					
Diff. Press (mm H ₂ O)		Basic No.	0	22	22	38	5	32	41	20	32	* 4		9	16	58	72	58	72	*10	58	32		
High Diff. Press. Type (2,500 to 50,000) KDP11 Middle Diff. Press. Type (250 to 5,500) KDP22		KDP11 KDP22		✓			✓	✓	✓	✓			✓	✓	✓				✓	✓	✓	✓		
				✓			✓	✓	✓	✓			✓	✓	✓				✓	✓	✓	✓		
				✓			✓	✓	✓	✓			✓	✓	✓	✓				✓	✓	✓	✓	
				✓			✓	✓	✓	✓			✓	✓	✓	✓		✓		✓	✓	✓	✓	
				✓			✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	
				✓			✓	✓	✓	✓			✓	✓	✓	✓				✓	✓	✓	✓	
				✓			✓	✓	✓	✓			✓	✓	✓	✓		✓			✓	✓	✓	
Low diff. Press. Type (50 to 600)		KDP33		✓				✓	✓	✓	✓			✓	✓				✓	✓	✓	✓		
				✓					✓	✓	✓	✓			✓	✓				✓	✓	✓		
				✓					✓	✓	✓	✓				✓				✓	✓	✓		
				✓					✓	✓	✓	✓					✓				✓	✓	✓	
				✓					✓	✓	✓	✓						✓			✓	✓	✓	
				✓					✓	✓	✓	✓							✓			✓	✓	✓
				✓					✓	✓	✓	✓								✓			✓	✓
Lowest Diff. Press Type (10 to 120)		KDP44		✓							✓													
				✓							✓						✓							
High Static Press. Type	High Diff. Press. Type (2,500 to 50,000) KDP81 Middle Diff. Press. Type (250 to 5,500) KDP82	KDP81 KDP82		✓				✓		✓			✓					✓		✓		✓		
				✓					✓		✓							✓		✓		✓		
				✓					✓		✓					✓				✓		✓		
				✓					✓		✓							✓			✓		✓	
				✓					✓		✓					✓					✓		✓	

Note * 11. Contact YAMATAKE when engineering units are different between input range pressure and output signal pressure.

* 12 Time Constant (continuously adjustment)

KDP11,22,81,82 0.5 sec. or less min., 30 sec. or more max.

KDP33 1.5 sec. or less min., 30 sec. or more max.

KDP44 (featured with damper as std.) 2 sec. or less min., 25 sec. more max.

* 5. Pressure on rear connection - 1 to 100kgf / cm² G, only available with horizontal mounting on 2" pipe.

* 6. Sealing liquid : Fluoric oil, wet part : degreased, working temp. limit (fluid, ambient): -10 to +60 deg.C

* 7 As above, except working temp. limit (fluid, ambient): -10 to +60 deg.C

*10.Additional price : 73k yen for without Y138[] specification, 105k yen for with Y138[] specification.

FLANGE TYPE, REMOTE SEAL DIAPHRAGM TYPE (KDP)

Model No. (1) Flange Type	Basic No. KDP6	Selection									Option	
			I	II	III	IV	V	VI	VII	VIII	IX	- X
(2) Remote Seal Diaphragm Type	KDP7	Selection									Option	
			I	II	III	IV	V	VI	VII	VIII	IX	- X

Model No. Ex. KDP61 -7222601B1 -7 KDP72 -112305A1 -X			Selection				Selection																											
			I	II	III	IV	V								VI			VII																
			H.P. Side Flange Material	L.P. Side Flange Material	L.P. Side Diaph. Material		Std. Flange Rating				Extended Diaph. flange Rating				Capillary length			Extended flange length																
							80mm JIS 10K (RF)	80mm JIS 30K (RF)	3in. ANSI 150 (RF)	3in. ANSI 300 (RF)	100mm JIS 10K(RF)	100mm JIS 30K (RF)	4in. ANSI 150 (RF)	4in. ANSI 300 (RF)	2m	3m	5m	None	100mm	150mm														
			Model No.	* 1				1	2				3	4				5	6				7	8				02	03	05	00	10	15	
Diff. Press (mm H ₂ O)			Basic No.	I	II	III	IV	Price	0	24	56	59	0	24	41	58	0	24	56	71	0	24	48	64	0	0	32	0	0	16				
Flange Type	Flange Type	High Diff. Press. Type (2,500 to 50,000) KDP61	KDP61 KDP62	1	1	2	2	752	✓		✓		✓		✓													✓						
				1	1	8	8	752	✓		✓		✓		✓		✓												✓					
				1	2	2	2	752	✓		✓		✓		✓		✓													✓				
				7	2	2	2	892	✓			✓		✓		✓														✓				
		7		2	3	3	1,174	✓			✓		✓		✓															✓				
		7		2	4	4	1,385	✓			✓		✓		✓															✓				
		7		2	8	8	886	✓			✓		✓		✓															✓				
		7		3	3	3	1,359	✓			✓		✓		✓															✓				
	7	5	3	3	1,115	✓			✓		✓		✓															✓						
	7	5	4	4	1,274	✓			✓		✓		✓															✓						
	Extended Diaphragm Flange Type	As above	KDP61 KDP62	1	1	2	2	917										✓		✓		✓		✓					✓		✓			
				1	1	8	8	917											✓		✓		✓		✓				✓		✓			
				1	2	2	2	966												✓		✓		✓		✓				✓		✓		
				7	2	2	2	1,098												✓		✓		✓		✓				✓		✓		
	7	2	8	8	1,098													✓		✓		✓		✓				✓		✓				
	Remote Seal Diaphragm Type	Flange Type	High Diff. Press. Type (2,500 to 50,000) KDP71	KDP71 KDP72	1	1	2	2	1,373	✓	✓			✓	✓												✓	✓	✓	✓				
1					1	3	3	1,542	✓	✓			✓	✓												✓	✓	✓	✓					
1					1	4	4	1,872	✓	✓			✓	✓													✓	✓	✓	✓				
1					1	8	8	1,373	✓	✓			✓	✓													✓	✓	✓	✓				
7			7		2	2	1,472	✓		✓					✓											✓	✓	✓	✓					
7			7		3	3	1,798	✓			✓				✓												✓	✓	✓	✓				
7			7		4	4	2,186	✓		✓					✓												✓	✓	✓	✓				
7			7		8	8	1,472	✓		✓					✓												✓	✓	✓	✓				
Extended Diaphragm Flange Type		As above	KDP71 KDP72	1	1	2	2	1,751										✓	✓		✓	✓		✓			✓	✓	✓	✓		✓		
				1	1	8	8	1,751											✓	✓		✓	✓		✓			✓	✓	✓	✓		✓	
				7	7	2	2	1,798												✓	✓		✓	✓		✓			✓	✓	✓	✓		✓
				7	7	8	8	1,798													✓	✓		✓	✓		✓			✓	✓	✓	✓	

Note * 1. Flange Cover and Diaphragm Material 4 : SF45, 2 : SUS316 (Diaphragm SUS316L), 3 : Monel
4 : Tantalum, 5 : PVC, 7 : SUS304 8 : SUS316L

	Basic No.		Selection									Option								
Model No. (1) Flange Type	KDP6	-	I	II	III	IV	V	VI	VII	VIII	IX	-	X							
(2) Remote seal diaphragm type	KDP7	-	I	II	III	IV	V	VI	VII	VIII	IX	-	X							

Note * 2. Contact YAMATAKE when engineering units are different between input range pressure and output signal pressure.

* 4. Maximum Working Pressure on Stainless Steel Bolts is as follows.

15 kgf / cm² G in case of PVC on the same models

* 5. Refer to Common Data.

* 6. Fill liquid : Fluoric oil. Wet part: degreased. working temp. limit (fluid, ambient) : -10 to +60 deg.C

* 7. As above, except working temp. limit (fluid, ambient) - 10 to 80 deg.C

* 8. Vacuum Use is not available with Y182, Y183, and Y169.

*10. Additional price : 73k yen for without Y138[] specification, 105k yen for with Y138[] specification.