

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

Model No. : KDP- 

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I	II	III	IV	V	VI
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VII
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Model No. Ex.	Selection												
	Basic				Selection					Option			
	I	II	III	IV	V	VI							
KDP22 -3333A1 -67	H.P. Side Cover Material				Air Piping Connection	Pneumatic Signal							
	L.P. Side Diaph. Material				Rc 1 / 4 Internal	1 / 4 NPT Internal	0.2 to 1kgf / cm <sup>2</sup>	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 / cm <sup>2</sup> )	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 <sup>2</sup>
Model no.	* 1				A	B	1	2	3	4	8	A	D
Diff. Press (mm H <sub>2</sub> O)	Basic No.	I	II	III	IV	Price	0	0	0	0	20	0	0
High Diff. Press. Type (2,500 to 50,000) KDP11 Middle Diff. Press. Type (250 to 5,500) KDP22	KDP11 KDP22 *14	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	✓				✓		
Low diff. Press. Type (50 to 600)	KDP33	5	5	3	3	805	✓				✓		
		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	✓				✓		
Lowest Diff. Press Type (10 to 120)	KDP44	2	2	8	8	730	✓				✓		
		3	3	3	3	1,349	✓				✓		
		5	5	3	3	938	✓				✓		
		5	5	4	4	1,304	✓				✓		
		1	1	2	2	714	✓				✓		
		2	2	2	2	818	✓				✓		
		High Static Press Type	KDP81 KDP82 *14	1	1	2	2	818	✓				✓
1	1			8	8	818	✓				✓		
2	2			2	2	890	✓				✓		
2	2			3	3	992	✓				✓		
2	2			4	4	1,417	✓				✓		
2	2	8	8	884	✓				✓				

Note \* 1. Cover and Diaphragm Materials 1 : SF440A, 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 60kgf / cm<sup>2</sup> G in case of SF45, SUS316, Monel  
 15kgf / cm<sup>2</sup> G in case of PVC  
 KDP33 25kgf / cm<sup>2</sup> G in case of SF45, SUS316, Monel  
 10kgf / cm<sup>2</sup> G in case of PVC  
 KDP81, 82 230kgf / cm<sup>2</sup> G  
 \*4. Refer to common data on Y138 corrosion -proof coating. (Appendix page: 0-1-1)

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Model No. : KDP- 

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I	II	III	IV	V	VI
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VII
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Model No. Ex.	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	Corrosion -resistant coating	With Adjustable Damper	Process connection at instrument rear	For oxygen measurement	For chlorine gas measurement	With 100mm Output indicator	Small flow measurement	For transmitter KDP22,33,82	High earthquake-proof		
KDP22 -3333A1 -67																					
	Model no	X	5	6	7	H	23	29	66	138[ ]	169	171	182	183	185	186	188				
Diff. Press (mm H <sub>2</sub> 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	KDP11 KDP22																				
Middle Diff. Press. Type (250 to 5,500) 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			KDP81 KDP82																		
Middle Diff. Press. Type (250 to 5,500) 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 100kaf / cm<sup>2</sup> G. only available with horizontal mounting on 2" pipe.  
 \* 6. Sealing liquid : Fluoric oil, wet part : degreased, working temp. limit (fluid, ambient): -10 to +75 deg.C  
 \* 7 As above, exopt working temp. limit (fluid, ambient): -10 to +75 deg.C  
 \*10.Additional price : 73k yen for without Y138[ ] specification, 105k yen for with Y138[ ] specification.  
 \*13 Process connection  
 E x cept KDP8□: Rc1/2: Default.  
 1/2NPT: Specify with SP0034(Air Piping Connection code "B" should be selected.)  
 Rc1/4: Specify in remarks of Item window.  
 1/2NPT: Specify in reomarks of item window, with SP0034 (Air Piping Connection code "B" should be se  
 In case KDP8□: Rc1/4: Default.  
 1/4NPT: Specify with SP0034(Air Piping Connection code "B" should be selected.)

FLANGE TYPE, REMOTE SEAL DIAPHRAGM TYPE (KDP)

Model No. (1) Flange Type      Basic No.  Selection 

I	II	III	IV	V	VI	VII	VIII	IX
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 Option 

X
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(2) Remote Seal Diaphragm Type      KDP7 

I	II	III	IV	V	VI	VII	VIII	IX
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X
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Model No. Ex.	Selection	Selection																						
		I				V								VI			VII							
		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									
KDP61 -7222601B1 -7		1	2	3	4	5	6	7	8	02	03	05	00	10	15									
KDP72 -112305A1 -X		0	24	56	59	0	24	41	58	0	24	56	71	0	24	48	64	0	0	32	0	0	16	
Flange Type	High Diff. Press. Type (2,500 to 50,000) KDP61	1 1 2 2	732	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		1 1 8 8	752	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		1 2 2 2	732	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		7 2 2 2	892	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		7 2 3 3	1,174	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Middle Diff. Press. Type (250 to 5,500) KDP62	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	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	High Diff. Press. Type (2,500 to 50,000) KDP71	1 1 2 2	1,373	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		1 1 3 3	1,542	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		1 1 4 4	1,872	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		1 1 8 8	1,373	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Middle Diff. Press. Type (250 to 5,500) KDP72	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	1 1 2 2	1,731	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		1 1 8 8	1,731	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		7 7 2 2	1,798	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		7 7 8 8	1,798	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

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

