

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

Model No. : KDP- 

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 - Selection 

I	II	III	IV	V	VI
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 - Option 

VII
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Model No. Ex.	Selection																	
	I				II				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											
KDP22 -3333A1 -67																		
	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	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	436	✓				✓			✓	✓			
		1	1	8	8	436	✓				✓			✓	✓			
		2	2	2	2	471	✓				✓			✓	✓			
		2	2	3	3	593	✓				✓			✓	✓			
		2	2	4	4	872	✓				✓			✓	✓			
		2	2	8	8	471	✓				✓			✓	✓			
		3	3	3	3	972	✓				✓			✓	✓			
Low diff. Press. Type (50 to 600)	KDP33	1	1	2	2	508	✓				✓			✓	✓			
		1	1	8	8	508	✓				✓			✓	✓			
		2	2	2	2	564	✓				✓			✓	✓			
		2	2	3	3	743	✓				✓			✓	✓			
		2	2	4	4	1,064	✓				✓			✓	✓			
		2	2	8	8	561	✓				✓			✓	✓			
		3	3	3	3	1,037	✓				✓			✓	✓			
Lowest Diff. Press Type (10 to 120)	KDP44	1	1	2	2	549	✓				✓			✓	✓			
		2	2	2	2	629	✓				✓			✓	✓			
		1	1	2	2	629	✓				✓			✓	✓			
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	1	1	2	2	629	✓				✓			✓	✓		
			1	1	8	8	629	✓				✓			✓	✓		
			2	2	2	2	684	✓				✓			✓	✓		
			2	2	3	3	763	✓				✓			✓	✓		
			2	2	4	4	1,090	✓				✓			✓	✓		
			2	2	8	8	680	✓				✓		✓	✓			

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 / cm<sup>2</sup> G in case of SF45, SUS316, Monel  
 15kaf / cm<sup>2</sup> G in case of PVC  
 KDP33 25kaf / cm<sup>2</sup> G in case of SF45, SUS316, Monel  
 10kaf / cm<sup>2</sup> G in case of PVC  
 KDP81, 82 230kaf / cm<sup>2</sup> G  
 \*4. Refer to common data on Y138 corrosion -proof coating. (page: selection 4 -4 to 4 -8)

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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 * 3	Corrosion -resistant coating 138 □	With Adjustable Damper *12	Process cor * 5	For oxygen measurement * 6	For chlorine gas measurement * 7	With 100mm Output indicator	Small flow measurement	For transmitter KDP22,33,82	High earthquake-proof											
KDP22 -3333A1 -67		X	5	6	7	H	23	29	66	32	41	20	32	* 4	9	16	58	72	58	72	63	58	32	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	63	58	32	188	186	185	183	182	171	169		
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		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Middle Diff. Press. Type (250 to 5,500) KDP82		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	High Diff. Press. Type (2,500 to 50,000) KDP81	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	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 100kqf / 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 +60 deg.C  
 \* 7 As above, except working temp. limit (fluid, ambient): -10 to +60 deg.C



