

**PNEUMATIC DIFFERENTIAL PRESSURE ( 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	III	IV	V		VI										
KDP22 -3333A1 -67		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 <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 : SI unit sub : SI unit / 0.2 to 1.0kgf/cm <sup>2</sup>				
Diff. Press (mm H <sub>2</sub> O)		Basic No.	I	II	III	IV	Price	A	B	1	2	3	4	8	A	D		
High Diff. Press. Type (2,500 to 50,000)		KDP11 KDP22	1	1	2	2	436	✓					✓		✓	✓		
Middle Diff. Press. Type (250 to 5,500)			1	1	8	8	436	✓					✓		✓	✓		
KDP22			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	✓					✓		✓	✓		
			5	5	3	3	619	✓					✓		✓	✓		
Low diff. Press. Type (50 to 600)		KDP33	5	5	4	4	846	✓					✓		✓	✓		
KDP44			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	✓					✓		✓	✓		
5	5	3	3	721	✓					✓		✓	✓					
Lowest Diff. Press Type (10 to 120)		KDP81 KDP82	5	5	4	4	1,003	✓					✓		✓	✓		
High Static Press Type			1	1	2	2	549	✓					✓		✓	✓		
		2	2	2	2	629	✓					✓		✓	✓			
		High Diff. Press. Type (2,500 to 50,000)		KDP81	1	1	2	2	629	✓					✓		✓	✓
		Middle Diff. Press. Type (250 to 5,500)			KDP82	1	1	8	8	629	✓					✓		✓
		KDP82		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. (Appendix page: 0-1-1)

**PNEUMATIC DIFFERENTIAL PRESSURE (Δ 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.	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 cor	For oxygen measurement	For chlorine gas measurement	With 100mm Output indicator	For transmitter KDP22.33,82 Small flow measurement	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	63	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		✓				✓	✓	✓		✓	✓			✓	✓	✓	✓	✓	✓
	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 100kgf / 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



