3. KFKB Pressure indicating controller (Adjustable range type)

3-1. KFKB Gauge pressure & absolute pressure types

Model No. : KFKB [ ][ ] - Selection [I][II][III][IV][V][VI][VII] - Option [VIII]

Model No. Ex.

KFKB22 -1222A1T -M57

- 1st [ ]: Cover & Element Material (1: SF45, 2: SUS316)
- 2nd [ ]: Sensing Element / Gage Press.

Selection

I.II Sensing Element/Gauge Pressure — III.IV Cover & Element Material : 1; SF45, 2: SUS316

Bourdon Tube Type

Model No.	5 to 70MPa {50 to 700kgf / cm²}	1.25 to 25 Mpa {0 to 250kgf / cm²}	0.35 to 7MPa {3.5 to 70kgf / cm²}	0.175 to 3.5MPa {1.75 to 35kgf / cm²}
1122	✔			
1222		✔		
1322			✔	
1422				✔

Bellows Type

Model No.	35 to 686kPa {0.35 to 7kgf / cm²}	10 to 196kPa {0.1 to 2kgf / cm²} *2	3.4 to 66.6kPa {25 to 500mmHg}	0.7 to 13.3kPa {5 to 100mmHg}
1522	✔			
1622		✔		
1712			✔	
1722				✔
1812			✔	
1822				✔

I.II Sensing Element/Absolute Pressure — III.IV Cover & Element Material : 1; SF45, 2: SUS316

Bellows Type

Model No.	35 to 686kPa abs {0.35 to 7kgf / cm² abs}	10 to 196kPa abs {0.1 to 2kgf / cm² abs}	3.4 to 66.6 kPa abs {25 to 500 mmHg abs}	0.7 to 13.3 kPa abs {5 to 100 mmHg abs}
2512	✔			
2522		✔		
2612	✔			
2622		✔		
2712	✔			
2722		✔		
2812	✔			
2822		✔		

V Air Piping Connection

Model No.	Rc 1/4 internal	1/4 NPT internal
* 6 A	✔	
* 6 B		✔

VI Pneumatic Signal *1

Model No.	0.2 to 1.0kgf/cm2	3 to 15psi.	0.2 to 1.0 bar	20 to 100 kPa	19.6 to 98.1kPa (equal to 0.2 to 1.0kgf / cm2)	Dual Scale main: Pa (20 to 100 kpa) sub: Kgf/cm2(0.2 to 1.0 kgf/cm2)	Dual Scale main: kgf/cm² (0.2 to 1.0kgf/cm²) sub: pa (20 to 100 kpa)
1	✔						
2		✔					
3			✔				
4				✔			
8					✔		
A						✔	
D							✔

VII Mounting

Model No.	Panel	2 -inch Pipe
P	✔	
T		✔

VIII Option

Model No.	No Option	with External Sp Manual Setting knob	With Built -in Manual Controller With Auto/Manual Switch	Elevation or High Elevation	Suppression	Pressure regulator with filter
X	✔					
K		✔				
M			✔			
5				✔		
6					✔	
7				✔	✔	✔

Y -Spec

Model No.	Steam Trace	Stainless steel Bolt	Degreasing *5	Corrosion-proof / Silver coating
29	✔			
* 2 66		✔		
67			✔	
[ ] 138				✔
* 3				

Type	Control Model	Basic No.	Price	1122	1222	1322	1422	1522	1622	1712	1722	1812	1822	2512	2522	2612	2622	2712	2722	2812	2822	* 6 A	* 6 B	1	2	3	4	8	A	D	P	T	X	K	M	5	6	7	29	* 2 66	67	[ ] 138
		14	14	0	0	0	0	14	20	33	39	141	147	141	147	166	172	262	268	0		0		20	0		50		0	0	0	8	67	17	17	31	33	14	24	* 3
Indicating	Non -Control	KFKB00	675	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔		✔	✔	✔	✔	✔		P	✔		✔			✔	✔		✔	✔	✔	✔
																													T		✔				✔	✔	✔				
Indicating Controller [ ] =1 Indicating Transmitting Controller [ ] = 2 (Local Type)	P+Manual Reset	KFKB[ ]1	690	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔		✔	✔	✔	✔	✔		P	✔		✔	✔	✔	✔	✔		✔	✔	✔	✔
	PI	KFKB[ ]2	692																										T		✔				✔	✔	✔				
	PID	KFKB[ ]3	761																																							
	PD+Manual Reset	KFKB[ ]4	758																																							
	PI + Batch	KFKB[ ]5	798																																							
	On -Off	KFKB[ ]6	692																																							
	Differential Gap	KFKB[ ]7	690																																							
	P + External Reset	KFKB[ ]8	707																																							
	PD+External Reset	KFKB[ ]9	761																																							
Indicating Controller [ ] =3 Indicating Transmitting Controller [ ] = 4 (Cascade Type)	P+Manual Reset	KFKB[ ]1	831	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔ ✔		✔ ✔	✔	✔	✔	✔		P	✔		✔			✔	✔		✔	✔	✔	✔
	PI	KFKB[ ]2	834																										T		✔				✔	✔	✔				
	PID	KFKB[ ]3	894																																							
	PD + Manual Reset	KFKB[ ]4	888																																							
	PI + Batch	KFKB[ ]5	940																																							
	On -Off	KFKB[ ]6	831																																							
	Differential Gap	KFKB[ ]7	825																																							
	P + External Reset	KFKB[ ]8	835																																							
	PD + External Reset	KFKB[ ]9	894																																							

Note * 1 For Signal in bar or Kpa, refer to Common Data.

* 2 Available only in model No. 1122 thr. 1622 for Selection I to IV and working pressure of -0.5 to 300Kg / cm²

* 3 Refer to Common Data.

* 5 Applicable SUS material only for Cover and Element material

* 6 If the the nameplate style is except standard, please specify it at the remarks column of the invoice.

KFKB

3. KFKB Pressure indicating controller (Adjustable range type)
3-2. KFKB remote seal diaphragm type (Medium & high pressure models)

1.75 to 700kgf/cm^2

Model No. : KFKB [ ][ ] - [I][II][III][IV][V][VI][VII][VII][IX][X][XI] - [XII]

Model No. Ex. KFKB12 -73180202AlP -M

- Flange Rating
- Diaphragm
- Flange Material

Selection: I.II Element; Flange Material / Diaphragm / Flange Rating; III FlangeMaterial/IV Diaphragm/V Flange Rating; VII Capillary Length; VIII Extended Flange Length; IX Air Piping Connection; X Pneumatic Signal * 1; XI Mounting

XII Option: No Option; With External Sp Manual Setting Knob; With Built -in Manual Controller With Auto/Manual Switch; Elevation or High Elevation; Suppression; Pressure regulator with filter

Y -Spec: Vacuum Service; High Temp. Service; High Temp. -Vacuum Service; Corr. Proof/Silver coating; Degreasing for Oxygen Service; Chlorine Service * 3

Type	Control Model	Model No. Basic No.	Price
Indicating Transmitter	Non -Control	KFKB00	948
Indicating Controller [ ] =1 (Local Type)	P+Manual Reset	KFKB[ ]1	979
	PI	KFKB[ ]2	984
	PID	KFKB[ ]3	1043
	PD+Manual Reset	KFKB[ ]4	1043
	PI + Batch	KFKB[ ]5	1080
	On -Off	KFKB[ ]6	986
	Differential Gap	KFKB[ ]7	972
	P + External Reset	KFKB[ ]8	984
	PD+External Reset	KFKB[ ]9	1043
Indicating Controller [ ] =3 (Cascade Type)	P+Manual Reset	KFKB[ ]1	1116
	PI	KFKB[ ]2	1119
	PID	KFKB[ ]3	1178
	PD + Manual Reset	KFKB[ ]4	1172
	PI + Batch	KFKB[ ]5	1224
	On -Off	KFKB[ ]6	1114
	Differential Gap	KFKB[ ]7	1111
	P + External Reset	KFKB[ ]8	1119
	PD + External Reset	KFKB[ ]9	1178

Note :
* 1 For Signal in bar or kPa, refer to Common Data
* 2. Contact YAMATAKE when engineering units are different between input range pressure and output signal pressure.
* 3 Available only in 14[ ][ ], 74[ ][ ] for Selection III to IV.
* 4 Available only in 1206, 1208, 1806, 1808, 7206, 7208, 7806, 7808 for Selection IIItoIV.
* 5 Vacuum Service is not available with Y182 and Y183.

3. KFKB Pressure indicating controller (Adjustable range type)
3-3. KFKB remote seal diaphragm type (Low pressure models)

0.1 to 7kg/cm^2

Model No. : KFKB [ ][ ] (Basic No.) - I II III IV V VI VII VII IX X XI (Selection) - XII (Option)

Model No. Ex.: KFKB24 -7512050210A1T -X (Flange Material / Diaphragm / Flange Rating)

Type	Control Model	Basic No.	Price	I Element		III Flange Material/IV Diaphragm/V.VI Flange Rating																				VII Capillary Length			VIII Extended Flange Length			IX Air Piping Connection		X Pneumatic Signal *1							XI Mounting		XII Option						Y -Spec					
				Remote Seal Diaphragm		III Flange SF45								III Flange SUS304																																								
						IV SUS316				IV SUS316L				IV SUS316				IV Monel		IVTantalum		IV SUS316L																																
						Standard		Extended		Standard		Extended		Standard		Extended		Standard		Standard		Standard		Extended																														
				0.35 to 7kgf/cm^2	0.1 to 2kgf/cm^2	80mm JIS 10K	3in. ANSI 150	100mm JIS 10K	4in. ANSI 150	80mm JIS 10K	3in. ANSI 150	100mm JIS 10K	4in. ANSI 150	80mm JIS 10K	3in. ANSI 150	100mm JIS 10K	4in. ANSI 150	80mm JIS 10K	3in. ANSI 150	80mm JIS 10K	3in. ANSI 150	80mm JIS 10K	3in. ANSI 150	100mm JIS 10K	4in. ANSI 150	2m	3m	5m	None	100mm	150mm	Rc 1/4 internal	1/4 NPT internal	0.2 to 1.0kgf/cm2	3 to 15psi.	0.2 to 1.0 bar	20 to 100 kPa	19.6 to 98.1kPa (equality to 0.2 to 1.0kgf / cm2)	main: Pa (20 to 100 kpa) sub: Kgf/cm2(0.2 to 1.0 kgf/cm2) Dual Scale	main: kgf/cm^2 (0.2 to 1.0kgf/cm^2) sub: pa (20 to 100 kpa) Dual Scale	Panel	2 -inch Pipe	No Option	With External SP / Manual setting Knob	With Built -in Manual Controller With Auto/Manual Switch	Elevation or High Elevation	Suppression	Pressure regulator with filter	Vacuum Service *5	High Temp. Service	High Temp. -Vacuum Service *5	Corr. proof coating	Degreasing for Oxygen Service *3	Chlorine Service *4
Type	Control Model	Model No.		75	76	1201	1203	1205	1207	1801	1803	1805	1807	7201	7203	7205	7207	7301	7303	7401	7403	7801	7803	7805	7807	02	03	05	00	10	15	A	B	1	2	3	4	8	A	D	P	T	X	K	M	5	6	7	23	62	62+23	138[ ]	182	183
		Basic No.	Price	0	0	0	0	77	77	0	0	77	77	72	72	122	122	128	128	199	199	72	72	122	122	0	0	14	0	0	8	0	0	0	0	20	0	0	50		0	0	0	8	67	17	17	31	27	20	39	*2	77	77
Indicating Transmitter	Non -Control	KFKB00	948	✔	✔	✔	✔			✔	✔			✔	✔			✔	✔	✔	✔	✔	✔			✔	✔	✔	✔			✔		✔		✔		✔	✔		✔		✔			✔	✔		✔	✔	✔	✔	✔	✔
																																										✔	✔			✔	✔	✔						
								✔	✔			✔	✔			✔	✔							✔	✔	✔	✔	✔		✔	✔	✔		✔		✔		✔	✔		✔		✔			✔	✔		✔	✔	✔	✔	✔	
																																										✔	✔			✔	✔	✔						
Indicating Controller [ ] =1 Indicating Transmitting Controller [ ] = 2 (Local Type)	P+Manual Reset PI PID	KFKB[ ]1 KFKB[ ]2 KFKB[ ]3	979 984 1043	✔	✔	✔	✔			✔	✔			✔	✔			✔	✔	✔	✔	✔	✔			✔	✔	✔	✔			✔		✔		✔		✔	✔		✔		✔	✔	✔	✔	✔		✔	✔	✔	✔	✔	✔
	PD+Manual Reset PI + Batch	KFKB[ ]4 KFKB[ ]5	1043 1080																																							✔	✔	✔	✔	✔	✔	✔						
	 On -Off Differential Gap	 KFKB[ ]6 KFKB[ ]7	 986 972					✔	✔			✔	✔			✔	✔							✔	✔	✔	✔	✔		✔	✔	✔		✔		✔		✔	✔		✔		✔	✔	✔	✔	✔		✔	✔	✔	✔	✔	
	P + External Reset PD+External Reset	KFKB[ ]8 KFKB[ ]9	984 1043																																							✔	✔	✔	✔	✔	✔	✔						
Indicating Controller [ ] =3 Indicating Transmitting Controller [ ] = 4 (Cascade Type)	P+Manual Reset PI PID	KFKB[ ]1 KFKB[ ]2 KFKB[ ]3	1116 1119 1178	✔	✔	✔	✔			✔	✔			✔	✔			✔	✔	✔	✔	✔	✔			✔	✔	✔	✔			✔		✔		✔		✔	✔		✔		✔		✔	✔	✔		✔	✔	✔	✔	✔	✔
	PD + Manual Reset PI + Batch	KFKB[ ]4 KFKB[ ]5	1172 1224																																							✔	✔		✔	✔	✔	✔						
	 On -Off Differential Gap	 KFKB[ ]6 KFKB[ ]7	 1114 1111					✔	✔			✔	✔			✔	✔							✔	✔	✔	✔	✔		✔	✔	✔		✔		✔		✔	✔		✔		✔		✔	✔	✔		✔	✔	✔	✔	✔	
	P + External Reset PD + External Reset	KFKB[ ]8 KFKB[ ]9	1119 1178																																							✔	✔		✔	✔	✔	✔						

Note :
* 1. Contact YAMATAKE when engineering units are different between input range pressure and output signal pressure.
* 2 Refer to Common Data.
* 3 Available only in 12[ ][ ], 18[ ][ ], 72[ ][ ], 78[ ][ ] for Selection III to IV.
* 4 Available only in 14[ ][ ], 74[ ][ ] for Selection III to IV.
* 5 Vacuum Service is not available with Y182 and Y183.