

**MagneW 3000 FLEX**  
**TIIS Explosion-protected apparatus detector**  
**(Wafer type 2.5 - 10 mm, PFA liner)**  
**MGG15D**

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Lead-time : After receipt of order(s), ex-factory basis.

Basic Model No.		MGG15D			Basic price / Additional price			Lead time	
					2.5 mm	5 mm	10 mm		
I	Diameter	2.5 mm	002		391			7	
		5 mm	005			371		7	
		10 mm	010				365	7	
II	Liner	PFA	P		0	0	0		
III	Flange rating	Wafer JIS10K	11		0	0	0		
		Wafer JIS20K	12		0	0	0		
		Wafer JIS30K	13		0	0	0		
		Wafer JIS10/16/20K for 10 mm flange	14		0	0	0		
		Wafer JIS30K for 10 mm flange	15		0	0	0		
		Wafer ANSI150	21		0	0	0		
		Wafer ANSI300	22		0	0	0		
		Wafer DIN PN10	41		0	0	0		
		Wafer DIN PN16	42		0	0	0		
		Wafer DIN PN25	43		0	0	0		
		Wafer DIN PN40	44		0	0	0		
		Wafer DIN PN10/16/25/40 for 10 m	45		0	0	0		
		Wafer JPI150	61		0	0	0		
Wafer JPI300	62		0	0	0				
IV	Piping connection	Wafer style	X		0	0	0		
V	Electrodes	SUS316L	L		0	0	0		
		ASTM B574 (Hastelloy C-276 equivalent)	C		36	36	36		
		Titanium	K		41	41	41		
		Zirconium	H		170	170	170	10	
		Tantalum	T		103	103	103		
		Tungsten carbide (only for size 10 mm or lar	W				180		
		Platinum iridium	P		171	171	171		
		Others	o		Refer to option table of electrodes				
VI	Ground rings	SUS316	S		0	0	0		
		ASTM B575 (Hastelloy C-276 equivalent)	C		57	57	57		
		Titanium	K		52	52	52		
		Zirconium	H		80	80	80	10	
		Tantalum	T		103	103	103		
		Platinum	P		149	149	149		
		Others	o		Refer to option table of grounding rings				
VII	Electrical connection / Flame-proof gland	Remote type	G1/2 internal thread / with flame-proof cable gland / with zener barrier	1		18	18	18	
VIII	Face to face dimension	Standard	A		0	0	0		
		Others	o		Refer to option table of face to face dimension				
IX	Installation / Wiring direction	Remote type	Upstream side (Horizontal / Vertical piping mounting)	A		0	0	0	
			Downstream side (Horizontal / Vertical piping mounting)	B		0	0	0	
			Horizontal piping mounting / Left side viewed from upstream	C		0	0	0	
			Horizontal piping mounting / Right side viewed from upstream	D		0	0	0	
X	Calibration	Standard	A		0	0	0		
		Others	o		Refer to option table of calibration				
XI	Finish	Standard	X		0	0	0		
		Corrosion-resistant finish	1		5	5	5		
		Corrosion-proof finish	2		10	10	10		
XII	Bolts / nuts	None	X		0	0	0		
		Carbon steel	1		3	3	3		
		SUS304	2		5	5	5		

**MagneW 3000 FLEX**  
**TIIS Explosion-protected apparatus detector**  
**(Wafer type 2.5 - 10 mm, PFA liner)**

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Lead-time : The term after receipt of order(s) to ex-factory.

Remote type			Additional price	Lead Time
Option	X	None	0	
	B	Traceability certificate for detector	10	
	C	Material certificate (only for electrodes and grounding rings)	45	7
	E	Water free treatment	40	
	F	Oil free treatment	50	
	J	W/Gasket for plastic piping	Refer to table of gasket	
	K	Attachment of the TAG number to the terminal box for detector (Note 1)	4	
	N	With specific name plate	29	
	P	Specific color finish for detector (Note 2)	40	8

Note 1 : Must be selected for Tag No. requirement

Note 2: Must specify Munsel No.

Option table of Electrode material

		Additional price	Lead time
A	Alloy 20	80	10
E	SUS304	20	10
M	Monel	60	10
S	SUS316	29	49

Option table of Grounding rings material

		Additional price	Lead time
A	Alloy 20	70	10
E	SUS304	10	
L	SUS316L	25	10

Option table of face to face dimension

		Additional price	Lead time
B	YOKOGAWA YEW MAG / YM, CYM(1,2), Tantalum / Platinum	Refer to factory basis	Refer to factory basis
C	YOKOGAWA ADMAG / AM, AE(1,2), Tantalum / Platinum	Refer to factory basis	Refer to factory basis
P	YOKOGAWA YEW MAG / ADMAG, other than Tantalum / Platinum	13	10
D	Hitachi FMR / FMR22, FMR23(1)	Refer to factory basis	
E	Hitachi FMR / FMR104, (1)		
F	Toshiba TOSMAC / 335 (1)		
G	Toshiba LF / LF200 (1)		
H	F&P COPA-XM/D10D30XM (1,3)		
J	F&P MINI-MAG/10D1475 (4)		
K	Krohne ALTOFLUX/X1000 (3)		
L	Brooks WAFER-MAG/74 (1)		

Option table of Calibration

		Additional price	Lead time
B	3 point dual range (0, 50, 100%)	100	10
E	5 point single range (0, 25, 50, 75, 100%)	100	10
F	5 point dual range (0, 25, 50, 75, 100%)	200	10
G	7 point single range (0, 5, 10, 25, 50, 75, 100%)	200	10
H	7 point dual range (0, 5, 10, 25, 50, 75, 100%)	300	10
J	2 point single range (0, 100%)	0	10
K	2 point dual range (0, 100%)	10	10

1: Teflon liner 2: Polyurethane rubber liner  
 3: Ceramic liner 4: Tefzel liner



**MagneW 3000 FLEX**  
**TIIS Explosion-protected apparatus detector**  
**(Wafer type 15 - 200 mm, PFA liner)**

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Option (Some options can be selected per each model.)  
 Lead-time : The term after receipt of order(s) to ex-factory.

Remote type		Additional Price	Lead Time (Weeks)
Option	X None	0	
	B Traceability certificate for detector	10	
	C Material certificate (only for electrodes and grounding rings)	45	7
	E Water free treatment	40	
	F Oil free treatment	50	
	J W/Gasket for plastic piping	Refer to table of gasket	
	K Attachment of the TAG number to the terminal box for detector (Note 1)	4	
	N With specific name plate	20	
	P Specific color finish for detector (Note 2)	40	8

Note 1 : Must be selected for Tag No. requirement  
 Note 2: Must specify Munsel No.

Table of gasket for plastic piping

Diameter (mm)	15	25	40	50	65	80	100	125	150	200
J	7	10	14	19	19	35	45	80	80	120

Option table of Electrode material

	Additional Price	Lead time
A Alloy 20	80	10
E SUS304	20	10
M Monel	60	10
N Nickel	40	40
S SUS316	20	40
1 SUS316L Protuded Electrode Note 1	55	40
2 SUS316L Alumina Specification Protuded Electrode Note 1	80	40
3 SUS316L Alumina Specification Protuded Electrode Note 1	70	40

Note 1: Protusion - Dia. 15mm(1.5mm), Dia. 25mm(2mm), Dia. 40-200mm(3mm)

Option table of Calibration

	Additional Price	Lead time
B 3 point dual range (0, 50, 100%)	100	10
E 5 point single range (0, 25, 50, 75, 100%)	100	10
F 5 point dual range (0, 25, 50, 75, 100%)	200	10
G 7 point single range(0, 5, 10, 25, 50, 75, 100%)	200	10
H 7 point dual range(0, 5, 10, 25, 50, 75, 100%)	300	10
J 2 point single range (0, 100%)	0	
K 2 point dual range (0, 100%)	10	

Option table of Grounding rings material

	Diameter (mm)										Lead time
	15	25	40	50	65	80	100	125	150	200	
A Alloy 20	70	70	70	70	70	80	100	140	140	180	10
E SUS304	10	10	10	10	10	10	10	10	10	10	7
J SUS316L	30	30	30	30	30	35	45	65	65	80	40
L SUS316L	25	25	25	25	25	30	40	60	60	70	7
N Nickel	40	45	55	65	65	100	110	250	250	350	40
R SUS316 without rounded edges	30	30	30	30	30	35	45	65	65	75	40

Option table of Face to face dimension

	Diameter (mm)										Lead time
	15	25	40	50	80	100	150	200			
B YOKOGAWA YEW MAG / YM, CYM(1,2), Tantalum / Platinum	Refer to factory basis					20	26	40	53	Refer to factory basis	
C YOKOGAWA ADMAG / AM, AE(1,2), Tantalum / Platinum	Refer to factory basis					20	26	40	53	Refer to factory basis	
P YOKOGAWA YEW MAG / ADMAG, other than Tantalum / Platinum	13	14	15	16	20	26	40	53	Refer to factory basis		
D Hitachi FMR / FMR22, FMR23(1)	Refer to factory basis										
E Hitachi FMR / FMR104, (1)											
F Toshiba TOSMAC / 335 (1)											
G Toshiba LF / LF200 (1)											
H F&P COPA-XM/D10D30XM (1,3)											
J F&P MINI-MAG/10D1475 (4)											
K Krohne ALTOFLUX/X1000 (3)											
L Brooks WAFER-MAG/74 (1)											

1: Teflon liner  
 2: Polyurethane rubber liner  
 3: Ceramic liner  
 4: Tefzel liner

# MagneW 3000 FLEX

## TIIS Explosion-protected apparatus detector (Flange type 2.5 - 10 mm, PFA liner)

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MGG15F - I II III IV V VI VII VIII IX X - XI XII - Option (Some Options can be selected per each model.)

Lead-time : After receipt of order(s), ex-factory basis.

Basic Model No.		MGG15F		Basic price / Additional price			Lead time	
				2.5mm	5mm	10mm		
I	Diameter	2.5mm	002	391			7	
		5mm	005		371		7	
		10mm	010			365	7	
II	Liner	PFA	P	0	0	0		
III	Flange rating	Flange JIS10K	J1	47	47	47		
		Flange JIS20K	J2	62	62	62		
		Flange JIS30K	J3	82	82	82		
		Flange JIS10K for 10mm flange	J4	47	47	47		
		Flange JIS20K for 10mm flange	J5	62	62	62		
		Flange JIS30K for 10mm flange	J6	72	72	72		
		Flange ANSI150	A1	62	62	62		
		Flange ANSI300	A2	62	62	62		
		Flange DIN PN10	D1	62	62	62		
		Flange DIN PN16	D2	82	82	82		
		Flange DIN PN25	D3	82	82	82		
		Flange DIN PN40	D4	82	82	82		
		Flange DIN PN10/16 for 10mm flange	D5	62	62	62		
		Flange DIN PN25/40 for 10mm flange	D6	62	62	62		
		Flange JPI150	P1	47	47	47		
Flange JPI300	P2	62	62	62				
IV	Piping connection	Flanged	1	0	0	0		
V	Electrodes	SUS316L	L	0	0	0		
		ASTM B574 (Hastelloy C-276 equivalent)	C	36	36	36		
		Titanium	K	41	41	41		
		Zirconium	H	170	170	170	10	
		Tantalum	T	103	103	103		
		Tungsten carbide (only for size 10mm or larger)	W	180	180	180		
		Platinum iridium	P	175	175	175		
		Others	o	Refer to Option table of Electrodes				
VI	Ground rings	SUS316	S	0	0	0		
		ASTM B575 (Hastelloy C-276 equivalent)	C	57	57	57		
		Titanium	K	52	52	52		
		Zirconium	H	80	80	80	10	
		Tantalum	T	103	103	103		
		Platinum	P	149	149	149		
		Others	o	Refer to Option table of Electrodes				
VII	Electrical connection/ Flame-proof gland	Remote type	G1/2 internal thread/ with flame-proof cable gland/ with zener barrier	1	18	18	18	
VIII	Face to face dimension	Standard	A	0	0	0		
		Others	o	Refer to Option table of Electrodes				
IX	Installation/ Wiring direction	Remote type	Upstream side (Horizontal / Vertical piping mounting)	A	0	0	0	
			Downstream side (Horizontal / Vertical piping mounting)	B	0	0	0	
			Horizontal piping mounting / Left side viewed from upstream	C	0	0	0	
			Horizontal piping mounting / Right side viewed from upstream	D	0	0	0	
X	Calibration	Standard	A	0	0	0		
		Others	o	Refer to Option table of Electrodes				
XI	Finish	Standard	X	0	0	0		
		Corrosion-resistant finish	1	5	5	5		
		Corrosion-proof finish	2	10	10	10		
XII	Bolts/nuts	None	X	0	0	0		

**MagneW 3000 FLEX**  
**TIIS Explosion-protected apparatus detector**  
**(Flange type 2.5 - 10 mm, PFA liner)**

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Option (Some options can be selected per each model.)

Lead-time : The term after receipt of order(s) to ex-factory.

Remote type		Additional Price	Lead Time (Weeks)	
Option	X	None	0	
	B	Traceability certificate for detector	10	
	C	Material certificate (only for electrodes and grounding rings)	45	7
	E	Water free treatment	40	
	F	Oil free treatment	50	
	J	W/Gasket for plastic piping	Refer to table of gasket	
	K	Attachment of the TAG number to the terminal box for detector**Note 1	4	
	N	With specific name-plate	20	
	P	Specific color finish for detector **Note 2	40	8

Note 1 : Must be selected for Tag No. requirement

Note 2: Must specify Munsel No.

**Option table of Electrode material**

		Additional Price	Lead time
A	Alloy 20	80	10
E	SUS304	20	10
M	Monel	60	10
S	SUS316	20	10

**Option table of Grounding rings material**

		Additional Price	Lead time
A	Alloy 20	70	10
E	SUS304	10	
L	SUS316L	25	10

**Option table of Calibration**

		Additional Price	Lead time
B	3 point dual range (0, 50, 100%)	100	10
E	5 point single range (0, 25, 50, 75, 100%)	100	10
F	5 point dual range (0, 25, 50, 75, 100%)	200	10
G	7 point single range (0, 5, 10, 25, 50, 75, 100%)	200	10
H	7 point dual range (0, 5, 10, 25, 50, 75, 100%)	300	10
J	2 point single range (0, 100%)	0	10
K	2 point dual range (0, 100%)	10	10



**MagneW 3000 FLEX**  
**TIIS Explosion-protected apparatus detector**  
**(Flange type 15 - 200 mm, PFA liner)**

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Option (Some options can be selected per each model.)  
 Lead-time : The term after receipt of order(s) to ex-factory.

Remote type		Additional Price	Lead Time (Weeks)
Option	X None	0	
	B Traceability certificate for detector	10	
	C Material certificate (only for electrodes and grounding rings)	45	7
	E Water free treatment	40	
	F Oil free treatment	50	
	J W/Gasket for plastic piping	Refer to table of gasket	
	K Attachment of the TAG number to the terminal box for detector**Note 1	4	
	M Teflon lining heat treatment	100	
	N With specific name plate	20	
	P Specific color finish for detector **Note 2	40	8

Note 1 : Must be selected for Tag No. requirement  
 Note 2: Must specify Munsel No.

Table of gasket for plastic piping

Diameter (mm)	15	25	40	50	65	80	100	125	150	200
J	7	10	14	19	19	35	45	80	80	120

Option table of Electrode material

		Additional Price	Lead time
A	Alloy 20	80	10
E	SUS304	20	10
M	Monel	60	10
N	Nickel	120	40
S	SUS316	20	40
1	SUS316L Protuded Electrode Note 1	55	40
2	SUS316L Alumina Specification Protuded Electrode w/flat tip Note 1	80	40
3	SUS316L Alumina Specification Protuded Electrode w/spointed tip Note 1	70	40

Note 1: Protusion : Dia. 15mm(1.5mm), Dia. 25mm(2mm), Dia. 40-200mm(3mm)

Option table of Calibration

		Additional Price	Lead time
B	3 point dual range (0, 50, 100%)	100	10
E	5 point single range (0, 25, 50, 75, 100%)	100	10
F	5 point dual range (0, 25, 50, 75, 100%)	200	10
G	7 point single range(0, 5, 10, 25, 50, 75, 100%)	200	10
H	7 point dual range(0, 5, 10, 25, 50, 75, 100%)	300	10
J	2 point single range (0, 100%)	0	
K	2 point dual range (0, 100%)	10	

Option table of Grounding rings material

	Diameter (mm)	15	25	40	50	65	80	100	125	150	200	Lead time
A	Alloy 20	70	70	70	70	70	80	100	140	140	180	10
E	SUS304	10	10	10	10	10	10	10	10	10	10	7
J	SUS317L	30	30	30	30	30	35	45	65	65	80	40
L	SUS316L	25	25	25	25	25	30	40	60	60	70	7
N	Nickel	40	45	55	65	65	100	140	250	250	350	40
R	SUS316 without rounded edges	30	30	30	30	30	35	45	65	65	75	40

Option table of Face to face dimension

	Diameter (mm)	80	100	150	200
B	YOKOGAWA YEWMAG / YM, CYM(1,2), Tantalum / Platinum	30	39	60	80
C	YOKOGAWA ADMAG / AM, AE(1,2), Tantalum / Platinum	30	39	60	80
P	Tantalum / Platinum	30	39	60	80
E	Hitachi FMR / FMR104, (1)	Refer to factory basis			
F	Toshiba TOSMAC / 335 (1)				
H	F&P COPA-XMD10D30XM (1,3)				
J	F&P MINI-MAG/10D1475 (4)				
K	Krohne ALTOFLUX/X1000 (3)				
M	Yamatake MagneW NNM (1)				
		60	78	120	160

1: Teflon liner  
 2: Polyurethane rubber liner  
 3: Ceramic liner  
 4: Tefzel liner

**MagneW 3000 FLEX**

**TIIS Explosion-protected apparatus detector  
(Flange type 250 - 300 mm, PFA liner)**

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MGG15F - I II III IV V VI VII VIII IX X - XI XII - Option (Some Options can be selected per each model.)  
Lead-time : After receipt of order(s), ex-factory basis.

Basic Model No.		MGG15F		Basic price / Additional price		Lead time
				250mm	300mm	
I	Diameter	250mm	250	2,688		10
		300mm	300		3,780	10
II	Liner	PFA	P	0	0	
III	Flange rating	Flange JIS10K	J1	0	0	
		Flange JIS20K	J2	100	140	
		Flange ANSI150	A1	0	0	14
		Flange ANSI300	A2	100	140	14
		Flange DIN PN10	D1	0	0	14
		Flange DIN PN16	D2	110	154	14
		Flange DIN PN25	D3	110	154	14
		Flange JPI150	P1	0	0	14
	Flange JPI300	P2	100	140	14	
IV	Piping connection	Flanged	1	0	0	
V	Electrodes	SUS316L	L	0	0	
		ASTM B574 (Hastelloy C-276 equivalent)	C	36	36	
		Titanium	K	41	41	
		Zirconium	H	170	170	10
		Tantalum	T	120	120	
		Tungsten carbide (only for size 10mm or larger)	W	180	180	
		Platinum iridium	P	210	210	
		Others	o	Refer to Option table of Electrodes		
VI	Ground rings	SUS316	S	0	0	
		ASTM B575 (Hastelloy C-276 equivalent)	C	200	240	
		Titanium	K	200	240	
		Others	o	Refer to Option table of Electrodes		
VII	Electrical connection/Flame-proof gland	Remote type	G1/2 internal thread/ with flame-proof cable gland/ with zener barrier	1	18	18
VIII	Face to face dimension	Standard	A	0	0	
		Others	o	Refer to Option table of Electrodes		
IX	Installation/ Wiring direction	Remote type	Upstream side (Horizontal / Vertical piping mounting)	A	0	0
			Downstream side (Horizontal / Vertical piping mounting)	B	0	0
			Horizontal piping mounting / Left side viewed from upstream	C	0	0
			Horizontal piping mounting / Right side viewed from upstream	D	0	0
X	Calibration	Standard	A	0	0	
		Others	o	Refer to Option table of Electrodes		
-						
XI	Finish	Standard	X	0	0	
		Corrosion-resistant finish	1	15	15	
		Corrosion-proof finish	2	40	40	
XII		Corrosion-proof finish	X	0	0	

