

**MagneW 3000 PLUS FM/CSA Explosion-proof  
Detector (Wafer type 2.5 mm - 10 mm, PFA liner)**

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**MGG17D - I II III IV V VI VII VIII IX - X XI - Y/ Options (Some options can be selected per each model.)**

Option "Y" must be specified for Yamatake Version

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

Basic Model No.		Basic price / Additional price			Lead time			
		2.5 mm	5 mm	10 mm				
I	Diameter	2.5 mm	002		391			5
		5 mm	005			371		5
		10 mm	010				365	5
II	Liner	PFA	P		0	0	0	
III	Piping connection	Wafer JIS10K	11		0	0	0	
		Wafer JIS20K	12		0	0	0	
		Wafer JIS30K	13		0	0	0	
		Wafer JIS10/20K 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 mm flange	45		0	0	0	
		Wafer JPI150	61		0	0	0	
Wafer JPI300	62		0	0	0			
IV	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 larger)	W				180	
		Platinum iridium	P		171	171	171	
		Others	£		Refer to option table of electrodes			
V	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	£		Refer to option table of grounding rings			
VI	Electrical connection / Watertight gland / Protective assembly	Remote type	1/2 NPT internal thread / without watertight gland / with zener barrier	5	10	10	10	
VII	Face to face dimension	Standard	A		0	0	0	
		Others	£		Refer to option table of face to face dimension			
VIII	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
IX	Calibration	Standard	A		0	0	0	
		Others	£		Refer to option table of calibration			
X	Finish	Standard	X		0	0	0	
		Corrosion-resistant finish	1		5	5	5	
		Corrosion-proof finish	2		10	10	10	
XI	Bolt / nuts	None	X		0	0	0	
		Carbon steel	1		3	3	3	
		SUS304	2		5	5	5	

# MagneW 3000 PLUS FM/CSA Explosion-proof Detector (Wafer type 2.5 mm - 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	Y	Yamatake Version (Must be selected)	0	
	B	Traceability certificate for detector	10	
	C	Material certificate (only for electrodes and grounding rings)	45	7
	J	W/Gasket for plastic piping	7	
	K	Attachment of the TAG number to the terminal box for detector (Note 3)	4	
	L	Attachment of the TAG number plate to the neck section for detector (Note 3)	8	
	P	Specific color finish for detector (Note 4)	40	8
	E	Water free treatment	40	
	F	Oil free treatment	50	

**Note 3 : Either "K" or "L" must be selected for Tag No. requirement.**

Note 4: Must specify Munsel No.

## Option table of Grounding rings material

		Additional price	Lead time
A	Alloy 20	70	10
E	SUS304	10	Refer to factory basis
L	SUS316L	25	10

## Option table of Electrode material

		Additional price	Lead time
A	Alloy 20	80	10
E	SUS304	20	10
M	Monel	60	10

## Option table of Face to face dimension

		Additional price	Lead time
B	YOKOGAWA YEWMAG / YM, CYM (1,2), Tantalum / Platinum	Refer to factory basis	Refer to factory basis
C	YOKOGAWA ADMAG / AM, AE (1,2), Tantalum / Platinum		
P	YOKOGAWA YEWMAG / ADMAG, other than Tantalum / Platinum	13	Refer to factory basis
D	Hitachi FMR / FMR22, FMR23(1)	Refer to factory basis	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

## 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%)	450	10
H	7 point dual range (0, 5, 10, 25, 50, 75, 100%)	600	10

**MagneW 3000 PLUS FM/CSA Explosion-proof  
Detector (Wafer type 15 mm - 200 mm, PFA liner)**

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**MGG17D - I II III IV V VI VII VIII IX - X XI - Y/ Options (Some options can be selected per each model.)**

Option "Y" must be specified for Yamatake Version  
Lead-time : After receipt of order(s), ex-factory basis.

Basic Model No.		MGG17D		Basic price / Additional price										Lead time	
				15 mm	25 mm	40 mm	50 mm	65 mm	80 mm	100 mm	125 mm	150 mm	200 mm		
I	Diameter	15 mm	015		328										7
		25 mm	025			365									7
		40 mm	040				389								7
		50 mm	050					426							7
		65 mm	065						495						7
		80 mm	080							521					7
		100 mm	100								645				7
		125 mm	125									878			7
		150 mm	150										989		7
		200 mm	200											1310	7
II	Liner	PFA	P		0	0	0	0	0	0	0	0	0	0	
III	Piping connection	Wafer JIS10K	11		0	0	0	0	0	0	0	0	0	0	
		Wafer JIS20K	12		0	0	0	0	0	0	0	0	0	0	
		Wafer JIS30K	13		0	0	0	0	0	0	0	0	0	0	
		Wafer ANSI150	21		0	0	0	0	0	0	0	0	0	0	
		Wafer ANSI300	22		0	0	0	0	0	0	0	0	0	0	
		Wafer DIN PN10	41		0	0	0	0	0	0	0	0	0	0	
		Wafer DIN PN16	42		0	0	0	0	0	0	0	0	0	0	
		Wafer DIN PN25	43		0	0	0	0	0	0	0	0	0	0	
		Wafer DIN PN40	44		0	0	0	0	0	0	0	0	0	0	
		Wafer JPI150	61		0	0	0	0	0	0	0	0	0	0	
Wafer JPI300	62		0	0	0	0	0	0	0	0	0	0			
IV	Electrodes	SUS316L	L		0	0	0	0	0	0	0	0	0	0	
		ASTM B574 (Hastelloy C-276 equivalent)	C		36	36	36	36	36	36	36	36	36	36	
		Titanium	K		41	41	41	41	41	41	41	41	41	41	
		Zirconium	H		170	170	170	170	170	170	170	170	170	170	
		Tantalum	T		103	103	103	103	103	103	103	103	103	103	
		Tungsten carbide	W		180	180	180	180	180	180	180	180	180	180	
		Platinum iridium	P		175	175	175	175	175	175	175	175	175	175	
		Others	£		Refer to option table of electrodes										
V	Ground rings	SUS316	S		0	0	0	0	0	0	0	0	0	0	
		ASTM B574 (Hastelloy C-276 equivalent)	C		57	57	57	57	72	72	93	112	134	170	
		Titanium	K		52	52	52	52	67	67	82	99	124	155	
		Zirconium	H		104	104	104	104	134	134	164	198	248	305	
		Tantalum	T		103	103	103	103	113	113	134	161	206	258	
		Platinum	P		149	149	149	149	160	160	185	222	256	338	
		Others	£		Refer to option table of grounding rings										
		VI	Electrical connection / Watertight gland / Protective assembly	Remote type	1/2 NPT internal thread / without watertight gland / with zener barrier	5									
VII	Face to face dimension	Standard	A		0	0	0	0	0	0	0	0	0	0	
		Others	£		Refer to option table of face to face dimension										
VIII	Installation / Wiring direction	Remote type	Upstream side (Horizontal / Vertical piping mounting)	A											
		Downstream side (Horizontal / Vertical piping mounting)	B		0	0	0	0	0	0	0	0	0	0	
		Horizontal piping mounting / Left side viewed from upstream	C		0	0	0	0	0	0	0	0	0	0	
		Horizontal piping mounting / Right side viewed from upstream	D		0	0	0	0	0	0	0	0	0	0	
IX	Calibration	Standard	A		0	0	0	0	0	0	0	0	0	0	
		Others	£		Refer to option table of calibration										
X	Finish	Standard	X		0	0	0	0	0	0	0	0	0	0	
		Corrosion-resistant finish	1		5	5	5	5	5	5	5	5	5	5	
		Corrosion-proof finish	2		10	10	10	10	10	10	10	10	10	10	
XI	Bolt/nuts	None	X		0	0	0	0	0	0	0	0	0	0	
		Carbon steel	1		3	3	3	3	9	9	9	9	9	22	
		SUS304	2		5	5	5	5	20	20	20	20	20	40	

# MagneW 3000 PLUS FM/CSA Explosion-proof Detector (Wafer type 15 mm - 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	Y	Yamatake Version (Must be selected)	0	
	B	Traceability certificate for detector	10	
	C	Material certificate (only for electrodes and grounding rings)	45	7
	J	W/Gasket for plastic piping	Refer to table of gasket	
	K	Attachment of the TAG number to the terminal box for detector (Note 3)	4	
	L	Attachment of the TAG number plate to the neck section for detector (Note 3)	8	
	P	Specific color finish for detector (Note 4)	40	
	E	Water free treatment	40	
F	Oil free treatment	50		

Note 3 : Either "K" or "L" must be selected for Tag No. requirement.

Note 4: 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	10
S SUS316	20	10
4 SUS316L-Protruded-Electrode (Note 4)	55	40
2 SUS316L-Alumina-Specification-Protruded-Electrode-w/flat-tip (Note 4)	80	40
3 SUS316L-Alumina-Specification-Protruded-Electrode-w/pointed-tip (Note 4)	70	40

Note 4: Protrusion : 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%)	450	10
H 7 point dual range (0, 5, 10, 25, 50, 75, 100%)	600	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
G	SUS316 Top Hat Grounding Rings	Refer to factory basis										
L	SUS316L	25	25	25	25	25	30	40	60	60	70	7
N	Nickel	45	45	55	65	65	100	110	250	250	350	10

## 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								Refer to factory basis
C	YOKOGAWA ADMAG / AM, AE (1,2), Tantalum / Platinum	20	26	40	53	20	26	40	53	
P	YOKOGAWA YEW MAG / ADMAG, other than Tantalum / Platinum	13	14	15	16	20	26	40	53	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 PLUS FM/CSA Explosion-proof  
Detector (Flange type 15 mm - 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	Y Yamatake Version (Must be selected)	0	
	B Traceability certificate for detector	10	
	C Material certificate (only for electrodes and grounding rings)	45	7
	J W/Gasket for plastic piping	Refer to table of gasket	
	K Attachment of the TAG number to the terminal box for detector (Note 3)	4	
	L Attachment of the TAG number plate to the neck section for detector (Note 3)	8	
	P Specific color finish for detector (Note 4)	40	8
	E Water free treatment	40	
F Oil free treatment	50		

Note 3 : Either "K" or "L" must be selected for Tag No. requirement.  
Note 4: 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	10
S SUS316	20	10
1 SUS316L Protruded Electrode (Note 1)	55	40
2 SUS316L Alumina Specification Protruded Electrode w/flat tip (Note 1)	80	40
3 SUS316L Alumina Specification Protruded Electrode w/pointed tip (Note 1)	70	40

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

**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
G SUS316 Top Hat Grounding Rings		Refer to factory basis										
L SUS316L		25	25	25	25	25	30	40	60	60	70	7
N Nickel		45	45	55	65	65	100	110	250	250	350	10

**Option table of Face to face dimension**

	Diameter (mm)	80	100	150	200	Lead time
B YOKOGAWA YEWAG / YM, CYM(1,2), Tantalum / Platinum		30	39	60	80	Refer to factory basis
C YOKOGAWA ADMAG / AM, AE(1,2), Tantalum / Platinum		30	39	60	80	
P YOKOGAWA YEWAG / ADMAG, other than Tantalum / Platinum		30	39	60	80	
E Hitachi FMR / FMR104, (1)		Refer to factory basis				Refer to factory basis
F Toshiba TOSMAC / 335 (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)						
M Yamatake MagneW/ NNM (1)		60	78	120	160	

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

**Option table of Flange Material (Flange Material : SUS304)**

	Diameter (mm)	80	100	125	150	200	Lead time
4	Flange JIS10K	115	144	230	301	606	10
	Flange JIS20K	154	197	320	439	760	10
	Flange JIS30K	276	339	526	708	1249	10
	Flange ANSI150	149	197	300	388	734	10
	Flange ANSI300	248	347	495	617	1170	10
	Flange DIN PN10	208	259	370	475	862	10
	Flange DIN PN16	208	259	425	530	942	10
	Flange DIN PN25	273	339	533	755	1313	10
	Flange DIN PN40	273	339	533	755	1313	10
	Flange JPH150	449	497	300	388	734	40
Flange JPI300	248	347	495	617	1170	40	

**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%)	450	10
H 7 point dual range (0, 5, 10, 25, 50, 75, 100%)	600	10

**MagneW 3000 PLUS FM/CSA Explosion-proof  
Detector (Flange type 250 mm - 400 mm, PFA liner)**

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**MGG17F - I II III IV V VI VII VIII IX X - XI - Y/ Option (Some options can be selected per each model.)**

Option "Y" must be specified for Yamatake Version

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

Basic Model No.		MGG17F		Basic price / Additional price				Lead time
				250 mm	300 mm	350 mm	400 mm	
I	Diameter	250 mm	250	2688				10
		300 mm	300	3780				10
		350 mm	350	4690				10
		400 mm	400	5768				10
II	Liner	PFA	P	0	0	0	0	
III	Piping connection	Flange JIS10K	J1	0	0	0	0	
		Flange JIS20K	J2	100	140	196	274	
		Flange ANSI150	A1	0	0	0	0	14
		Flange ANSI300	A2	100	140	196	274	14
		Flange DIN PN10	D1	0	0	0	0	14
		Flange DIN PN16	D2	110	154	216	301	14
		Flange DIN PN25	D3	110	154	216	301	14
		Flange JPI150	P1	0	0	0	0	14
		Flange JPI300	P2	100	140	196	274	14
IV	Flange Material	Standard	1	0	0	0	0	
		Others	£	Refer to option table of flange material				
V	Electrodes	SUS316L	L	0	0	0	0	
		ASTM B574 (Hastelloy C-276 equivalent)	C	36	36	36	36	
		Titanium	K	41	41	41	41	
		Zirconium	H	170	170	170	170	10
		Tantalum	T	120	120	120	120	
		Tungsten carbide	W	180	180	180	180	
		Platinum iridium	P	210	210	210	210	
		Others	£	Refer to option table of electrodes				
VI	Ground rings	SUS316	S	0	0	0	0	
		ASTM B575 (Hastelloy C-276 equivalent)	C	200	240	360	480	
		Titanium	K	200	240	360	480	
		Others	£	Refer to option table of grounding rings				
VII	Electrical connection / Watertight gland/ Protective assembly	Remote type	1/2 NPT internal thread/ without watertight gland / with zener barrier	5	10	10	10	10
VIII	Face to face dimension	Standard	A	0	0	0	0	
		Others	£	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	0
			Downstream side (Horizontal / Vertical piping mounting)	B	0	0	0	0
			Horizontal piping mounting / Left side viewed from upstream	C	0	0	0	0
			Horizontal piping mounting / Right side viewed from upstream	D	0	0	0	0
X	Calibration	Standard	A	0	0	0	0	
		Others	£	Refer to option table of calibration				
XI	Finish	Standard	X	0	0	0	0	
		Corrosion-resistant finish	1	5	5	5	5	
		Corrosion-proof finish	2	10	10	10	10	

# MagneW 3000 PLUS FM/CSA Explosion-proof Detector (Flange type 250 mm - 400 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	Y	Yamatake Version (Must be selected)	0	
	B	Traceability certificate for detector	10	
	C	Material certificate (only for electrodes and grounding rings)	45	
	J	W/ Gasket for plastic piping	Refer to table of gasket	
	K	Attachment of the TAG number to the terminal box for detector (Note 3)		
	L	Attachment of the TAG number plate to the neck section for detector (Note 3)		
	P	Specific color finish for detector (Note 4)	40	8
	E	Water free treatment	40	
	F	Oil free treatment	50	

**Note 3 : Either "K" or "L" must be selected for Tag No. requirement.**

Note 4: Must specify Munsel No.

### Table of gasket for plastic piping

Diameter (mm)	250	300	350	400
J	180	270	405	608

### Option table of Calibration

		Additional price	Lead time (weeks)
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%)	450	10
H	7 point dual range (0, 5, 10, 25, 50, 75, 100%)	600	10

### 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	10

### Option table of Grounding rings material

	Diameter (mm)	250	300	350	400	Lead time
A	Alloy 20	216	260	286	390	10
E	SUS304	12	15	17	25	7
G	SUS316 Top Hat Grounding Rings	Refer to factory basis				
L	SUS316L	84	101	111	166	7
N	Nickel	420	504	555	831	10

### Option table of Face to face dimension

	Diameter (mm)	250	300	350	400	Lead time
P	YOKOGAWA 8 / ADMAG, other than Tantalum / Platinum	96	135	168	206	Refer to factory basis
H	F&P COPA-XM/D10D30XM (1,3)	Refer to factory basis				
J	F&P MINI-MAG/10D1475 (4)	Refer to factory basis				
K	Krohne ALTOFLUX/X1000 (3)	Refer to factory basis				
M	Yamatake MagneW / NNM (1, 2)	192	270	336	412	
N	Yamatake MagneW3000 / KID (1, 2)	96	135	168	206	

1: Teflon liner

2: Polyurethane rubber liner

3: Ceramic Liner

4: Tefzel liner

### Option table of Flange Material (Flange Material : SUS304)

	Diameter (mm)	250	300	350	400	Lead time
4	Flange JIS10K	325	391	510	650	10
	Flange JIS20K	588	727	961	1249	10
	Flange ANSI150	650	782	1020	1300	10
	Flange ANSI300	1400	1704	2236	2874	10
	Flange DIN PN10	650	782	1020	1300	10
	Flange DIN PN16	760	936	1236	1601	10
	Flange DIN PN25	1085	1327	1746	2251	10
	Flange JPI150	650	782	1020	1300	10
	Flange JPI300	1400	1704	2236	2874	10