

**MagneW 3000 PLUS Submersible detector with FM/CSA  
NI approval (Wafer type 15 mm - 200 mm, PFA/ETFE liner)**

Issued : Oct. 31, 2001	Page : 2-1-41
Effective : May. 13, 2005	UNIT : 1000YEN

**MGG19D - I II III IV V VI VII VIII IX X XI - XII XIII - 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.	MGG19D		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													6
	25 mm	025													6
	40 mm	040													6
	50 mm	050													6
	65 mm	065													6
	80 mm	080													6
	100 mm	100													6
	125 mm	125													6
	150 mm	150													6
	200 mm	200													6
II Liner	ETFE (Note 1)	E													6
	PFA	P													+1
III Piping connection	Wafer JIS10K	11													
	Wafer JIS20K	12													
	Wafer JIS30K	13													
	Wafer ANSI150	21													
	Wafer ANSI300	22													
	Wafer JIS G3451 F12 (Diameter 80 or larger)	31													
	Wafer DIN PN10	41													
	Wafer DIN PN16	42													
	Wafer DIN PN25	43													
	Wafer DIN PN40	44													
	Wafer JPI150	61													
	Wafer JPI300	62													
V Electrodes	SUS316L	L													
	Hastelloy C	C													
	Titanium	K													
	Zirconium	H													10
	Tantalum	T													
	Tungsten carbide	W													
	Platinum iridium	P													
	Others	<input type="checkbox"/>		Refer to option table of electrodes											
VII Ground rings	SUS316	S													
	Hastelloy C	C													
	Titanium	K													
	Zirconium	H													10
	Tantalum	T													
	Platinum iridium	P													
	Others	<input type="checkbox"/>		Refer to option table of grounding rings											
	VIII Electrical connection / Watertight gland	Remote type	G1/2 internal thread/with brass (Ni-plated) watertight gland	3											
G1/2 internal thread/with SUS304 watertight gland			8												
IX Face to face dimension	Standard	A													
	Others	<input type="checkbox"/>		Refer to option table of face to face dimension											
X Installation/ Wiring direction	Remote type	Upstream side (Horizontal / Vertical piping mounting)	A												
		Downstream side (Horizontal / Vertical piping mounting)	B												
		Horizontal piping mounting / Left side viewed from upstream	C												
		Horizontal piping mounting / Right side viewed from upstream	D												
XI Calibration	Standard	A													
	+/- 0.35% of rate calibration	U													
	Others	<input type="checkbox"/>		Refer to option table of calibration											
XII Finish	Standard	X													
XIII Bolt / nuts	None	X													
	Carbon steel	1													
	SUS304	2													

Note1: Size 80 to 200 mm (3 to 8 inches) available.

**MagneW 3000 PLUS Submersible detector with  
FM/CSA NI approval (Wafer type 15 mm - 200 mm, PFA/ETFE 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 : 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 Protuded Electrode (Note 1)	55	10
2	SUS316L Alumina Specification Protuded Electrode w/flat tip (Note 1)	80	10
3	SUS316L Alumina Specification Protuded Electrode w/pointed tip (Note 1)	70	10

Note 1: 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	40	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 YEWMAG / YM, CYM(1,2), Tantalum / Platinum	Refer to factory basis				20	26	40	53	
C	YOKOGAWA ADMAG / AM, AE(1,2), Tantalum / Platinum	Refer to factory basis				20	26	40	53	
P	YOKOGAWA YEWMAG / ADMAG, other than Tantalum / Platinum	13	14	15	16	20	26	40	53	
D	Hitachi FMR / FMR22, FMR23(1)	Refer to factory basis								10
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)									
Q	Fuji FMQO/FMSO (1, 2, 3)									

1: Teflon liner

2: Polyurethane rubber liner

3: Ceramic Liner

4: Tefzel liner



**MagneW 3000 PLUS Submersible detector with FM/CSA  
NI approval (Flange type 15 mm - 200 mm, PFA/ETFE 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 : 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	10
2 SUS316L Alumina Specification Protruded Electrode w/flat tip (Note 1)	80	10
3 SUS316L Alumina Specification Protruded Electrode w/pointed tip (Note 1)	70	10

Note 1 : 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)	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		40	45	55	65	65	100	110	250	250	350	10

**Option table of Face to face dimension**

	Diameter (mm)	80	100	125	150	200
B YOKOGAWA YEW MAG / YM, CYM(1,2), Tantalum / Platinum		30	39	50	60	80
C YOKOGAWA ADMAG / AM, AE (1,2), Tantalum / Platinum		30	39	50	60	80
P YOKOGAWA YEW MAG / ADMAG, other than Tantalum / Platinum		30	39	50	60	80
E Hitachi FMR / FMR104, (1)		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)						
M Yamatake MagneW/NNM(1)		60	78	100	120	160

1: Teflon liner

3: Ceramic liner

2: Polyurethane rubber 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 JIS G3451 F12 (Diameter 80 mm or larger)	151	190	260	361	666	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 JPI150	149	197	300	388	734	10
Flange JPI300	248	347	495	617	1170	10	

**MagneW 3000 PLUS Submersible detector with FM/CSA NI approval (Flange type 250 mm - 600 mm, PFA/ETFE liner)**

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**MGG19F - I II III IV V VI VII VIII IX X - 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.	MGG19F		Basic price / Additional price							Lead time		
			250 mm	300 mm	350 mm	400 mm	450 mm	500 mm	600 mm			
I	Diameter	250 mm (10 inches)	250								8	
		300 mm (12 inches)	300								8	
		350 mm (14 inches)	350								8	
		400 mm (16 inches)	400								8	
		450 mm (18 inches)	450								10	
		500 mm (20 inches)	500								10	
		600 mm (24 inches)	600								10	
II	Liner	ETFE	E								0	
		PFA	P	42	54	70	85	100	100	140	+1	
III	Piping connection	Flange JIS10K	J1								0	
		Flange JIS20K	J2	100	140	196	274	384	537			
		Flange ANSI150	A1									14
		Flange ANSI300 (Note 1)	A2	100	140	196	274					14
		Flange JIS G3451 F12	G1									14
		Flange DIN PN10	D1									14
		Flange DIN PN16	D2	110	154	216	301	422	422	590		14
		Flange DIN PN25	D3	110	154	216	301	422	422	590		14
		Flange JPI150	P1									14
		Flange JPI300 (Note 1)	P2	100	140	196	274					14
IV	Flange Material	Standard	1								0	
		Others	<input type="checkbox"/>	Refer to option table of flange Material								
V	Electrodes	SUS316L	L								0	
		Hastelloy C	C	36	36	36	36	36	36	36		
		Titanium	K	41	41	41	41	41	41	41		
		Zirconium	H	170	170	170	170	170	170	170	10	
		Tantalum	T	120	120	120	120	120	120	120		
		Tungsten carbide	W	180	180	180	180	180	180	180		
		Platinum iridium	P	210	210	210	210	210	210	210		
		Others	<input type="checkbox"/>	Refer to option table of electrodes								
VI	Ground rings	SUS316	S								0	
		Hastelloy C	C	200	240	240	360	480	480	600		
		Titanium	K	200	240	240	360	480	480	600		
		Others	<input type="checkbox"/>	Refer to option table of grounding rings								
VII	Electrical connection / Watertight gland	G1/2 internal thread/with brass (Ni-plated) watertight gland	3	15	15	15	15	15	15	15		
		G1/2 internal thread/with SUS304 watertight gland	8	40	40	40	40	40	40	40		
VIII	Face to face dimension	Standard	A								0	
		Others	<input type="checkbox"/>	Refer to option table of face to face dimension								
IX	Installation / Wiring direction	Upstream side (Horizontal / Vertical piping mounting)	A								0	
		Downstream side (Horizontal / Vertical piping mounting)	B								0	
		Horizontal piping mounting / Left side viewed from upstream	C								0	
		Horizontal piping mounting / Right side viewed from upstream	D								0	
X	Calibration	Standard	A								0	
		+/- 0.35% of rate calibration	U	3	3	3						
		Others	<input type="checkbox"/>	Refer to option table of calibration								
XI	Finish	Standard	X								0	

Note 1: Size 16 inches or smaller.

**MagneW 3000 PLUS Submersible detector with FM/CSA NI approval (Flange type 250mm - 600mm, PFA/ETFE 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	7
	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)	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	8	

Note 3 : 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	500	600
J	180	270	405	608	911	1367

**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 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	500	600	Lead time
A	Alloy 20		216	260	286	390	540	702	10
E	SUS304		12	15	17	25	33	42	7
G	SUS316 Top Hat Grounding Rings		Refer to factory basis						
L	SUS316L		84	101	111	166	217	282	7
N	Nickel		420	504	555	831	1082	1406	10

**Option table of Face to face dimension**

		Diameter (mm)	250	300	350	400	500	600	Lead time
P	YOKOGAWA YEW MAG / ADMAG, other than Tantalum / Platinum		96	135	168	206	285	320	Refer to factory basis
H	F&P COPA-XM/D10D30XM (1,3)		Refer to factory basis						
J	F&P MINI-MAG/10D1475 (4)								
K	Krohne ALTOFLUX/X1000 (3)								
M	Yamatake MagneW / NNM (1, 2)		192	270	336	412	570	640	
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	500	600	Lead time
4	Flange JIS10K		325	391	510	650	1000	1376	10
	Flange JIS20K		588	727	961	1249	1884	2601	10
	Flange ANSI150		650	782	1020	1300	2000	2752	10
	Flange ANSI300		1400	1704	2236	2874	/	/	10
	Flange JIS G3451 F12 (Diameter 80mm or larger)		488	587	765	975	1500	2064	10
	Flange DIN PN10		650	782	1020	1300	2000	2752	10
	Flange DIN PN16		760	936	1236	1601	2422	3342	10
	Flange DIN PN25		1085	1327	1746	2251	3422	4718	10
	Flange JPI150		650	782	1020	1300	2000	2752	10
	Flange JPI300		1400	1704	2236	2874	/	/	10



**MagneW 3000 PLUS Submersible detector with FM/CSA NI approval (Wafer type 25mm - 200mm, Polyurethane rubber liner)**

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

**Remote type**

		Additional price	Lead time (Weeks)
Option	Y Yamatake Version (Must be selected)	0	7
	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)	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 : Must be selected for Tag No. requirement

Note 4 : Must specify Munsel No.

**Table of gasket for plastic piping**

Diameter (mm)	25	40	50	65	80	100	125	150	200
J	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
S	SUS316	20	10
1	SUS316L Protruded Electrode (Note 1)	55	10
2	SUS316L Alumina Specification Protruded Electrode w/flat tip (Note 1)	80	10
3	SUS316L Alumina Specification Protruded Electrode w/pointed tip (Note 1)	70	10

Note 1: 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
		25	40	50	65	80	100	125	150	200	
A	Alloy 20	70	70	70	70	80	100	140	140	180	10
E	SUS304	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	30	40	60	60	70	7



# MagneW 3000 PLUS Submersible detector with FM/CSA NI approval (Flange type 25mm - 200mm, Polyurethane rubber liner)

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

## 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: Must be selected for Tag No. requirement

Note 4: Must specify Munsel No.

## Table of gasket for plastic piping

Diameter (mm)	25	40	50	65	80	100	125	150	200
J	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	
S	SUS316	20	
1	SUS316L Protruded Electrode (Note 1)	55	
2	SUS316L Alumina Specification Protruded Electrode w/flat tip (Note 1)	80	
3	SUS316L Alumina Specification Protruded Electrode w/pointed tip (Note 1)	70	

Note 1: 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)	25	40	50	65	80	100	125	150	200	Lead time
A	Alloy 20	70	70	70	70	80	100	140	140	180	10
E	SUS304	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	30	40	60	60	70	7