

# MagneW 3000 PLUS HENRI converter

Issued : Oct. 31, 2001	Page : 2-1-51
Effective : Oct. 31, 2001	UNIT : 1000YEN

**MGH14C HENRI converter must be coupled with MGH18 HENRI type detector.**  
**MGH14C - I II III IV - V VI VII VIII -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 price / Additional price	Lead time
Basic Model No.		MGH14C		375	6
I	Power supply	AC90-264V 50/60Hz	M	0	
II	Output signal/ communication	Volume flow 4-20mA DC output/without communication	A	0	
		Volume flow 4-20mA DC output/with communication	B	0	
		Volume flow DE output/with communication	C	0	
		Foundation Fieldbus	F	Refer to factory	
		Volume flow HART Protocol output/with communication	H	40	
III	Electrical connection/ Watertight gland	G1/2 internal thread/without watertight gland	1	0	
		G1/2 internal thread/with brass (Ni-plated) watertight gland	2	10	
		G1/2 internal thread/with plastic watertight gland	3	5	
		1/2 NPT internal thread/without watertight gland	4	0	
		CM20 internal thread/without watertight gland	5	0	
		Pg13.5 internal thread/without watertight gland	6	0	
		G1/2 internal thread/with SUS304 watertight gland	7	15	
IV	Installation/ Wiring direction	Remote type			
		Wall mounting with standard bracket	G	0	
		2 in. pipe mounting with standard bracket	H	0	
		Without mounting bracket	X	0	
-					
V	Finish	Standard	X	0	0
		Corrosion-resistant finish	1	5	0
		Corrosion-proof finish	2	10	0
VI	Display	None	X	0	
		Main display : Instantaneous indication of flow volume in %	A	40	
		Main display : Instantaneous indication of actual flow volume	B	40	
		Main display : Indication of integrated flow volume (need pulse output board) Note 1	C	40	
VII	Contact inputs/ outputs	None	X	0	
		1 input and 1 output(Ranging function, Warning for contact input/output, etc.) Note 2	1	5	
		2 inputs(Ranging function, External automatic zero adjustment input, etc.) Note 2	2	5	
		2 outputs(Ranging function, Warning for contact outputs.) Note 2	3	5	
VIII	Style code	None	X	0	

Note 1: In case of this code, Option "B" must be selected.

Note 2: When you choose the dual range or direct/reverse switching in ranging functions, please specify the F1 to F4 codes from the tables below

Code		1 input/1 output		
		2 inputs		
		1	2	3
F1	Automatic switching dual range	A		A
F2	External ranges switching	A	A	
F3	Direct/reverse automatic ranges	A		A
F4	Direct/reverse external switching	A	A	

A : Available selection

Option		Price	Lead Time
Yamatake Version (Must be selected)	Y	0	
Empty pipe detection function	A	0	
Pulse output (Open collector)	B	30	
Traceability certificate for converter	C	10	
Indication other than SI units	H	0	6
Attachment of the TAG number to the terminal box for converter **Note 3	J	4	6
Specific color finish for converter **Note 4	L	40	6

**MagneW 3000 PLUS HENRI detector (Wafer type 40mm - 200mm, PFA/ETFE liner)**

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**MGH18D Detector must be coupled with MGH14C converter.**

**MGH18D - I II III V VII VIII IX X XI - XII XIII - Y/ Options (Some Options can be selected per each mode**

Option "Y" must be specified for Yamatake Version

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

Basic Model No.		MGH18D		Basic price / Additional price						Lead time	
				40mm	50mm	80mm	100mm	150mm	200mm		
I	Diameter	40mm	040	334							6
		50mm	050		368						6
		80mm	080			389					6
		100mm	100				484				6
		150mm	150					747			6
		200mm	200						976		6
II	Liner	ETFE	E			0	0	0	0		
		PFA	P		0	0	63	67	111	135	
III	Piping connection	Wafer JIS10K	11		0	0	0	0	0	0	
		Wafer JIS20K	12		0	0	0	0	0	0	
		Wafer JIS30K	13		0	0	0	0	0	0	
		Wafer ANSI150	21		0	0	0	0	0	0	
		Wafer ANSI300	22		0	0	0	0	0	0	
		Wafer DIN PN10	41		0	0	0	0	0	0	
		Wafer DIN PN16	42		0	0	0	0	0	0	
		Wafer DIN PN25	43		0	0	0	0	0	0	
		Wafer DIN PN40	44		0	0	0	0	0	0	
		Wafer JPI150	61		0	0	0	0	0	0	
IV	Electrodes	SUS316L	L		0	0	0	0	0	0	
		Hastelloy C	C		36	36	36	36	36	36	
		Titanium	K		41	41	41	41	41	41	
		Zirconium	H		170	170	170	170	170	170	10
		Tantalum	T		103	103	103	103	103	103	
		Tungsten Carbide	W		180	180	180	180	180	180	
		Platinum iridium	P		175	175	175	175	175	175	
		Others	<input type="checkbox"/>		Refer to Option table of Electrodes						
V	Ground rings	SUS316	S		0	0	0	0	0	0	
		Hastelloy C	C		57	57	72	93	134	170	
		Titanium	K		52	52	52	82	124	155	
		Zirconium	H		104	104	104	164	248	305	10
		Tantalum	T		103	103	103	134	206	258	
		Platinum	P		149	149	149	185	256	338	
		Others	<input type="checkbox"/>		Refer to Option table of Grounding rings						
VI	Wiring Watertight gland	Remote type			10	10	10	10	10	10	
		G1/2 internal thread/without watertight gland	2								
		G1/2 internal thread/with brass (Ni-plated) watertight	3		15	15	15	15	15	15	
		G1/2 internal thread/with plastic watertight gland	4		12	12	12	12	12	12	
		1/2NPT internal thread/without watertight	5		10	10	10	10	10	10	7
		CM20 internal thread/without watertight gland	6		10	10	10	10	10	10	7
		Pg13.5 internal thread/without watertight gland	7		10	10	10	10	10	10	7
G1/2 internal thread/with SUS304 watertight gland	8		40	40	40	40	40	40			
VII	Face to face dimension	Standard	A		0	0	0	0	0	0	
		Others	<input type="checkbox"/>		Refer to Option table of Face to face dimension						
VIII	Installation/ Wiring direction	Remote type			0	0	0	0	0	0	
		Upstream side (Horizontal / Vertical piping mounting)	A								
		Downstream side (Horizontal / Vertical piping mounting)	B		0	0	0	0	0	0	
		Horizontal piping mounting / Left side viewed from upstream	C		0	0	0	0	0	0	
Horizontal piping mounting / Right side viewed from upstream	D		0	0	0	0	0	0			
XI	Calibration	Standard	A		0	0	0	0	0	0	
		Others	<input type="checkbox"/>		Refer to Option table of calibration						
XII	Finish	Standard	X		0	0	0	0	0	0	
		Corrosion-resistant finish	1		5	5	5	5	5	5	
		Corrosion-proof finish	2		10	10	10	10	10	10	
XIII	Bolt/nuts	None	X		0	0	0	0	0	0	
		Carbon steel	1		3	3	3	9	9	22	
		SUS304	2		5	5	5	20	20	40	

# MagneW 3000 PLUS HENRI detector (Wafer type 40 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
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

Note 3 : Must be selected for Tag No. requirement

Note 4 : Must specify Munsel No.

## Table of gasket for plastic piping

Diameter (mm)	40	50	80	100	150	200
J	14	19	35	45	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

Note 1 : Protrusion : Dia.40-200 mm (3 mm)

## 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

## Option table of Grounding rings material

		Diameter (mm)								Lead time
		15	25	40	50	80	100	150	200	
A	Alloy 20	70	70	70	70	80	100	140	180	10
E	SUS304	10	10	10	10	10	10	10	10	7
G	SUS316 Top HAT ground ring	Refer to factory basis								
L	SUS316	25	25	25	25	30	40	60	70	7
N	Nickel	40	45	55	65	100	110	250	350	10

## Option table of Face to face dimension

		Diameter (mm)						Lead time
		40	50	80	100	150	200	
B	YOKOGAWA YEW MAG / YM, CYM (1,2), Tantalum / Platinum	Refer to factory basis	30	39	60	80		Refer to factory basis
C	YOKOGAWA ADMAG / AM, AE (1,2), Tantalum / Platinum							
P	YOKOGAWA YEW MAG / ADMAG, other than Tantalum / Platinum							
D	Hitachi FMR / FMR22, FMR23 (1)	Refer to factory basis						Refer to factory basis
E	Hitachi FMR / FMR204 (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 HENRI detector (Flange type  
40mm - 300mm, PFA/ETFE liner)**

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**MGH18F - I II III IV V 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.		MGH18F		Basic price / Additional price										Lead time		
				40mm	50mm	80mm	100mm	150mm	200mm	250mm	300mm	350mm	400mm			
I	Diameter	40mm	040	334											7	
		50mm	050		368										7	
		80mm	080			389									7	
		100mm	100				484								7	
		150mm	150					747							7	
		200mm	200						976						7	
		250mm	250							1733					7	
		300mm	300								2526				7	
		350mm	350									3031			7	
400mm	400										3742		7			
II	Liner	ETFE	E		0	0	0	0	0	0	0	0	0	0		
		PFA	P		0	0	63	67	111	135	250	370	450	550		
III	Piping connection	Flange JIS10K	J1		58	64	81	102	214	478	0	0	0	0		
		Flange JIS20K	J2		75	83	106	133	269	558	100	140	196	274		
		Flange JIS30K	J3		100	106	140	171	360	737						
		Flange ANSI150	A1		58	64	81	102	214	478	0	0	0	0		
		Flange ANSI300	A2		75	83	122	153	269	558	100	140	196	274		
		Flange DIN PN10	D1		75	83	106	133	214	478	0	0	0	0		
		Flange DIN PN16	D2		75	83	106	171	269	558	110	154	216	301		
		Flange DIN PN25	D3		97	107	137	171	407	801	110	154	216	301		
		Flange DIN PN40	D4		97	107	137	171	407	801						
		Flange JPI150	P1		58	64	81	102	214	478	0	0	0	0		
Flange JPI300	P2		75	83	122	153	269	558	100	140	196	274				
IV	Flange Material	Standard	1		0	0	0	0	0	0	0	0	0	0		
		Others	<input type="checkbox"/>		Refer to Option table of Flange Material											
V	Electrodes	SUS316L	L		0	0	0	0	0	0	0	0	0	0		
		Hastelloy C	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	10	
		Tantalum	T		103	103	103	103	103	103	120	120	120	120		
		Tungsten Carbide	W		180	180	180	180	180	180	180	180	180	180		
		Platinum iridium	P		175	175	175	175	175	175	210	210	210	210		
Others	<input type="checkbox"/>		Refer to Option table of Electrodes													
VI	Ground rings	SUS316	S		0	0	0	0	0	0	0	0	0	0		
		Hastelloy C	C		57	57	57	93	134	170	200	240	240	360		
		Titanium	K		52	52	52	82	124	155	200	240	240	360		
		Tantalum	T		104	104	104	134	206	258						
		Platinum	P		149	149	149	185	256	338						
		Others	<input type="checkbox"/>		Refer to Option table of Grounding rings											
VII	Wiring connection/ Watertight gland	Remote type														
		G1/2 internal thread/without watertight gland	2		10	10	10	10	10	10	10	10	10	10	10	
		G1/2 internal thread/with brass(Ni-plated) watertight	3		15	15	15	15	15	15	15	15	15	15	15	
		G1/2 internal thread/with plastic watertight gland	4		12	12	12	12	12	12	12	12	12	12	12	
		1/2NPT internal thread/without watertight gland	5		10	10	10	10	10	10	10	10	10	10	10	7
		CM20 internal thread/without watertight gland	6		10	10	10	10	10	10	10	10	10	10	10	7
		Pg13.5 internal thread/without watertight gland	7		10	10	10	10	10	10	10	10	10	10	10	7
		G1/2 internal thread/with SUS304 watertight gland	8		40	40	40	40	40	40	40	40	40	40	40	7
VIII	Face to face dimension	Standard	A		0	0	0	0	0	0	0	0	0	0		
		Others	<input type="checkbox"/>		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	0	0	0	0	0	0	0	
		Downstream side (Horizontal / Vertical piping mounting)	B		0	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	0	
Horizontal piping mounting / Right side viewed from upstream	D		0	0	0	0	0	0	0	0	0	0	0			
X	Calibration	Standard	A		0	0	0	0	0	0	0	0	0	0		
		Others	<input type="checkbox"/>		Refer to Option table of calibration											
XI	Finish	Standard	X		0	0	0	0	0	0	0	0	0	0		
		Corrosion-resistant finish	1		5	5	5	5	5	5	15	15	20	20		
		Corrosion-proof finish	2		10	10	10	10	10	10	40	40	50	50		

7 for 40 to 200mm, 14 for 250/300mm

# MagneW 3000 PLUS HENRI detector (Flange type 40mm - 300mm, 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

Note 3: Must be selected for Tag No. requirement

Note 4: Must specify Munsell No.

## Table of gasket for plastic piping

Diameter (mm)	40	50	80	100	150	200	250	300	350	400
J	14	19	35	45	80	120	180	270	405	608

## Option table of Electrode material

		Additional Price	Lead Time (Weeks)
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

Note 1: Protrusion : Dia.40-200mm(3mm)

## 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

## Option table of Grounding rings material

	Diameter (mm)	15	25	40	50	80	100	150	200	Lead time
A	Alloy 20	70	70	70	70	80	100	140	180	10
E	SUS304	10	10	10	10	10	10	10	10	7
G	SUS316 Top HAT Ground Ring	Refer to factory basis								
L	SUS316	25	25	25	25	30	40	60	70	7
N	Nickel	40	45	55	65	100	110	250	350	10

## Option table of Face to face dimension

	Diameter (mm)	80	100	150	200	250	300	350	400	Lead time
B	YOKOGAWA YEW MAG / YM, CYM(1,2), Tantalum / Platinum	30	39	60	80					Refer to factory basis
C	YOKOGAWA ADMAG / AM, AE(1,2), Tantalum / Platinum									
P	YOKOGAWA YEW MAG / ADMAG, other than Tantalum / Platinum					96	135	168	206	
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	120	160	192	270	336	412	4
N	Yamatake MagneW / KID					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)	80	100	150	200	250	300	350	400	Lead time
4	Flange JIS10K	115	144	301	606	325	391	510	650	10
	Flange JIS20K	154	197	439	760	588	727	961	1249	10
	Flange JIS30K	276	339	708	1249					10
	Flange ANSI150	149	197	388	734	650	782	1020	1300	10
	Flange ANSI300	248	347	617	1170	1400	1704	2236	2874	10
	Flange DIN PN10	208	259	475	862	650	782	1020	1300	10
	Flange DIN PN16	208	259	530	942	760	936	1236	1601	10
	Flange DIN PN25	273	339	755	1313	1085	1327	1746	2251	10
	Flange DIN PN40	273	339	755	1313					10
	Flange JPI150	149	197	388	734	650	782	1020	1300	10
Flange JPI300	248	347	617	1170	1400	1704	2236	2874	10	