

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 Model No.	MGH14C	Basic price / Additional	375	Lead time	6
-----------------	---------------	--------------------------	-----	-----------	---

I	Power supply	AC90-264V 50/60Hz	M			0
II	Output signal / communication	Volume flow 4-20 mA DC output / without communication	A			0
		Volume flow 4-20 mA 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-inch pipe mounting with standard bracket	H			0
		Without mounting bracket	X			0
V	Finish	Standard		X		0
		Corrosion-resistant finish		1		5
		Corrosion-proof finish		2		10
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		
		1	2	3
F1	Automatic switching dual range	A	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

Note 3 : Must be selected for Tag No. requirement

Note 4: Must specify Munsel No.

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

Issued: Oct. 31, 2001	Page: 2-1-52
Effective: Mar. 1, 2011	UNIT: 1000YEN

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 model.)

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					
		40 mm	50 mm	80 mm	100 mm	150 mm	200 mm						
I	Diameter	40 mm	040					334	6				
		50 mm	050						6				
		80 mm	080					368	6				
		100 mm	100					389	6				
		150 mm	150					484	6				
		200 mm	200					747	6				
								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
Wafer JPI300	62					0	0	0	0	0	0		
IV	Electrodes	SUS316L	L					0	0	0	0	0	0
		ASTM B574 (Hastelloy C-276 equivalent)	C					36	36	36	36	36	36
		Titanium	K					41	41	41	41	41	41
		Zirconium	H					170	170	170	170	170	170
		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	£					Refer to option table of electrodes					
V	Ground rings	SUS316	S					0	0	0	0	0	0
		ASTM B575 (Hastelloy C-276 equivalent)	C					57	57	72	93	134	170
		Titanium	K					52	52	52	82	124	155
		Zirconium	H					104	104	104	164	248	305
		Tantalum	T					103	103	103	134	206	258
		Platinum	P					149	149	149	185	256	338
		Others	£					Refer to option table of grounding rings					
VI	Wiring Watertight gland	Remote type	G1/2 internal thread/without watertight gland	2				10	10	10	10	10	10
			G1/2 internal thread/with brass (Ni-plated) watertight gland	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 gland	5				10	10	10	10	10	10
			CM20 internal thread/without watertight gland	6				10	10	10	10	10	10
			Pg13.5 internal thread/without watertight gland	7				10	10	10	10	10	10
			G1/2 internal thread/with SUS304 watertight gland	8				40	40	40	40	40	40
VII	Face to face dimensions	Standard	A					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				0	0	0	0	0	0
			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	£					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)

Issued: Oct. 31, 2001	Page: 2-1-53
Effective: Mar. 1, 2011	UNIT: 1000YEN

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	

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)	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	Refer to factory basis	Refer to factory basis	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 40 mm - 300 mm, PFA/ETFE liner)

Issued: Oct. 31, 2001 Page: 2-1-54
 Effective: Mar. 1, 2011 UNIT: 1000YEN

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			
		40 mm	50 mm	80 mm	100 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm				
I	Diameter	40 mm	040										334	7	
		50 mm	050											368	7
		80 mm	080											389	7
		100 mm	100											484	7
		150 mm	150											747	7
		200 mm	200											976	7
		250 mm	250											1733	7
		300 mm	300											2526	7
		350 mm	350											3031	7
		400 mm	400											3742	7
II	Liner	ETFE	E												
		PFA	P												
III	Piping connection	Flange JIS10K	J1												
		Flange JIS20K	J2												
		Flange JIS30K	J3												
		Flange ANSI150	A1												
		Flange ANSI300	A2												
		Flange DIN PN10	D1												
		Flange DIN PN16	D2												
		Flange DIN PN25	D3												
		Flange DIN PN40	D4												
		Flange JPI150	P1												
IV	Flange Material	Standard	1												
		Others	£												
V	Electrodes	SUS316L	L												
		ASTM B574 (Hastelloy C-276 equivalent)	C												
		Titanium	K												
		Zirconium	H												
		Tantalum	T												
		Tungsten Carbide	W												
		Platinum iridium	P												
		Others	£												
VI	Ground rings	SUS316	S												
		ASTM B575 (Hastelloy C-276 equivalent)	C												
		Titanium	K												
		Tantalum	T												
		Platinum	P												
		Others	£												
VII	Wiring connection / Watertight gland	Remote type	G1/2 internal thread/without watertight gland	2											
		G1/2 internal thread/with brass (Ni-plated) watertight gland	3												
		G1/2 internal thread/with plastic watertight gland	4												
		1/2NPT internal thread/without watertight gland	5												
		CM20 internal thread/without watertight gland	6												
		Pg13.5 internal thread/without watertight gland	7												
		G1/2 internal thread/with SUS304 watertight gland	8												
		Others	£												
VIII	Face to face dimension	Standard	A												
		Others	£												
IX	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												
X	Calibration	Standard	A												
		Others	£												
XI	Finish	Standard	X												
		Corrosion-resistant finish	1												
		Corrosion-proof finish	2												

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

MagneW 3000 PLUS HENRI detector
(Flange type 40mm - 300mm, PFA/ETFE liner)

Issued: Oct. 31, 2001	Page: 2-1-55
Effective: Mar. 1, 2011	UNIT: 1000YEN

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: 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)	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