

MAGMAX® EGM2100C

Compact Electromagnetic Flowmeter

GENERAL

MAGMAX® EGM2100C is less expensive, commonly used compact electromagnetic flowmeter suitable for water, sewage and hot water.

EGM2100C is a combination of EGS2000 primary head with Polypropylene and Hard rubber liner, and converter EGC100.

Improved self-diagnostic functions include empty pipe detection and conductivity monitoring.

25 to 1000mm sizes are available.

FEATURES

- □ Polypropylene liner (Size 25 to 150mm) achieved high-durability and high-heat resistance. Suitable for water, sewage and hot water for process temperature up to 90°C.
- ☐ Hastelloy® C22 electrodes as standard.
- ☐ High accuracy of ±0.5% of reading.
- High speed data processing for quick response. Suitable for batch process control and for pulsating flow.
- ☐ The extendable excitation system allows applications to much fluid noise such as slurry.
- ☐ The LCD with backlight provides 1 to 3 lines of versatile indication
- Equipped with a quick setup function to readily respond to changed flow range, pulse rate, etc.
 - The push buttons allow you to alter the settings without removing the cover of conversion section.
- □ 10kHz high-speed pulse output. Capable of responding to short batch processes.
- ☐ Bi-directional measurement, double ranges and status outputs including flow rate alarms are standardized.



STANDARD SPECIFICATION

General Specification

• Excitation : Square wave

• Nominal size : 25, 40, 50, 65, 80, 100, 125, 150, 200, 250

300, 350, 400, 450, 500, 600, 700, 800,

900, and 1000mm

(For size over 1000mm, consult TOKYO

KEISO.)

• Measuring range : Flow velocity

Min. 0 to 0.3m/s Max. 0 to 12m/s

Flow rate

Min. 0 to 0.531m³/h

(Minimum flow at 25mm size) Max. 0 to 33928m³/h

(Maximum flow at 1000mm size)

• Protection class : IP66/67 (IEC 60529)

Body material

Measuring tube : Stainless steel (SS304)

Primary head housing : Carbon steel $^{(\star 1)}$ [Standard] $^{(\star 2)}$

[Option] Stainless steel/SS304

Flanges : Carbon steel (*1) [Standard]

[Option] Stainless steel/SS316L

Converter housing: Aluminum alloy (*1)

Converter cover: Aluminum alloy (*1)

Indicator water : Polyester

protection sheet

(*1) Anti-corrosive painting

(*2) When the size is 25 to 40mm and the wetted part lining is hard rubber: Cast duplex stainless steel.

Wetted part material

Liner: [Standard]

Size 25 to 150mm; Polypropylene Size 200 to 1000mm; Hard rubber

[Option]

Hard rubber (Size 25 to 150mm)
* Refer to the "LINER MATERIAL AND

FLANGE."

Electrode: Hastelloy® C22 [Standard]

[Option] Stainless steel/SS316

Earth ring: [Option] Stainless steel/SS316

• Painting : Siloxane coating

• Color : Grey(Primary head housing/converter

housing)

Jade green (Converter cover)

ullet Cable entry : 2 × G1/2 female thread

 $2\times1/2$ NPT female thread $2\times$ M20 (with watertight glands) (Option : Watertight glands for G1/2)

• Supply voltage : 100 to 230V AC (85 to 253V AC)

24V DC (11 to 31V)

Note: Figures in () show allowable voltage

range.

Supply frequency : 48 to 63Hz (AC)Power consumption : AC ; approx. 8VA

DC; approx. 4W

◆ Ambient temp. : -40 to +65°C (For operation)

-40 to +70°C (For storage)

• Grounding : Grounding resistance must be less than

100 Ω .

• Process connection : Flange connection

• Flanges : JIS10K/20K, ASME class 150/300,

DIN PN40/16/10

Note: Refer to the "LINER MATERIAL AND

FLANGE."

Fluid Specification

Temperature

2

Liner material : Polypropylene -5 to +90°C*

Hard rubber -5 to +80°C*

•Pressure : Subject to pressure and temperature rating

of the flanges.

Note: The allowable pressure and tempera-

ture differ with the liner material.

Refer to "FLUID TEMPERATURE

AND PRESSURE RANGE" for de-

tails.

• Conductivity : 20µS/cm or more

Indication and Output Specification

Indicator : Dot matrix LCD (With backlight)
 128 × 64 pixels (59 × 31mm)

Indication function:

Changeover (2 screens)

One to three lines are displayed at one screen.

Contents of indication; Flow rate, velocity, total flow,
conductivity, and coil temperature

(M. OO A J. J. OO A J.

• Current output: 4 to 20mA DC (Max. 22mA at burn out error mode)

Internal power supply:

Less than 750ohms (Load resistance)

External power supply:

Less than 32V DC (External voltage)

Pulse output

Open collector output

Rating: Less than 32V DC, 20mA (≤10kHz)

Less than 100mA (≤100Hz)

Residual voltage: Less than 1.5 VDC at 10 mA Leak current: Less than 0.5 mA at 24 VDC

Pulse rate

2 to 36,000,000 pulse/h (0.00056Hz to 10kHz)

Pulse width

One of the following selectable

1) Automatic : Pulse width by which duty factor to be 50%

at full scale

2) Duty factor 1:1 fixed

3) Free setting; 0.05 to 2000ms

Status output

Open collector output

Rating: Less than 32V DC, 100 mA Max.

Residual voltage: Less than 1.5 VDC at 10 mA Leak current: Less than 0.5 mA at 24 VDC

Contents of output

One of the following selectable:

1) No status output (Standard factory setting)

2) Identification of flow direction

3) Over range

4) Error

5) Flow alarm

6) Identification of range (For double range measurement)

7) Empty pipe detection

• Description of input and output terminal

Terminal	Standard setup	Switchover by reprogramming
A (A, A+ / A-)	Current output	-
C (C, C-)	Status output	-
D (D, D-)	Pulse output	Status output

Low flow cutoff

Current output, Pulse output, Indicator (Separate setting

is possible.)

Setting value: 0.0 to 20.0% FS Setting value (Standard):

Current output, Pulse output ; ON 1%, OFF 2% FS

Indicator; Without low flow cutoff

Damping time constant

Current output, Pulse output, Indicator (Separate setting

is possible.)

Setting value: 0.0 to 100.0s Setting value (Standard): Current output, Indicator; 4s

Pulse output; Damping time constant 0

Isolation of input and output

Each circuit of power supply, electrode input, terminal A, terminal C, and terminal D are isolated.

Standard Functions

• Customer's free measuring unit setting function

Volume (or mass) and time unit in 7 characters can be created.

• Automatic zero adjustment function

Zero adjustment is automatically conducted at "ZERO ADJUST MODE" (Subject to zero flow)

• Bi-directional flow measurement function

A flow-direction distinction signal is outputted in state output and current.

• Double range measurement function

Possible range setting range ratio 1:20 to 1:1.25 (Setting range of low range: 5 to 80% of high range)
Range selection: Automatic

• Excitation current frequency switching function

Standard mode:

1/6 of supply frequency

Special frequency mode:

1/50 to 1/2 times of supply frequency (*2)

• Self diagnosis function

The following conditions are indicated by error message; Functional diagnosis:

Coil disconnection, CPU, Memory, Software, Output module, and Output connection

Status diagnosis:

Empty pipe detection, Over range, Counter over flow, and Power fail detection

• Memory save function for power fail

Operation parameters and totalization figures are stored for more than 10 years by EEPROM (Non volatile memory)

• Testing function

Simulating output function for current, pulse output and status output are integrated.

Current output test: Arbitrary output (0.0 to 22.0 mA)
Pulse output test: Arbitrary output (1Hz to 10kHz)
Status output test: On / Off

Push button setting function

The push buttons allow you to alter the settings without removing the cover of conversion section.

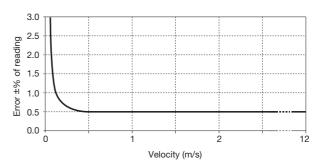
(*2) It can be changed for every application, such as slurry and a pulsating flow.

Accuracy (*3)

Indication and pulse output

For velocity $\geq 0.5 \text{m/s}$; $\pm 0.5\%$ of reading

For velocity < 0.5m/s ; $\pm 0.3\%$ of reading + velocity error of ± 0.001 m/s



• Current output :

Additional error of $\pm 0.01 \text{mA}$ be added to the accuracy of indication or pulse output.

(*3) Basis condition

 $\begin{tabular}{lll} Fluid & : Water \\ Fluid temperature & : 10 to 30 ^{\circ}C \\ Conductivity & : 150 \mu S/cm or more \\ Supply voltage & : Rated voltage <math>\pm 2\%$

Ambient temperature : 18 to 28°C

Upstream / Downstream pipe length: 10D / 2D (D: Diameter)

3

Warm-up time : About 10 minutes

Measuring time : 100s

FLUID TEMPERATURE AND PRESSURE RANGE

Fluid Temperature

Liner	Nominal size (mm)	Temperature
Polypropylene	25 to 150	−5 to +90°C
Hard rubber	25 to 1000	−5 to +80°C

Maximum Pressure

Liner	Nominal size (mm)	Pressure MPa *1
Dehmanulana	25 to 80 (Except 65mm)	4.0
Polypropylene	65, 100 to 150	1.6
Hard rubber	25 to 1000	15

*1 Maximum operating pressure must be within the flange rating pressure.

The value on this table indicates maximum pressure which can be manufactured.

Consult TOKYO KEISO for details.

Permissible Vacuum Load

*2 : Vacuum not acceptable -: Not applicable

Liner	Nominal size	Minimun	n pressure k	Pa (abs) / Flu	uid temp.
Liner	(mm)	40°C	60°C	80°C	90°C
Polypropylene	25 to 150	25	40	40	*2
Hard rubber	25 to 300	25	40	40	_
nard rubber	350 to 1000	50	60	60	-

FLOW RANGE

Nominal size	Possible settir	ng range (m³/h)	Nominal size	Possible settir	ng range (m³/h)
(mm)	Min. (Velocity: 0 to 0.3 m/s)	Max. (Velocity: 0 to 12 m/s)	(mm)	Min. (Velocity: 0 to 0.3 m/s)	Max. (Velocity: 0 to 12 m/s)
25	0 to 0.531	0 to 21.2	300	0 to 76.4	0 to 3053
40	0 to 1.36	0 to 54.2	350	0 to 104	0 to 4156
50	0 to 2.13	0 to 84.8	400	0 to 136	0 to 5428
65	0 to 3.59	0 to 143	450	0 to 172	0 to 6870
80	0 to 5.43	0 to 217	500	0 to 213	0 to 8482
100	0 to 8.49	0 to 339	600	0 to 306	0 to 12214
125	0 to 13.3	0 to 530	700	0 to 416	0 to 16624
150	0 to 19.1	0 to 763	800	0 to 543	0 to 21714
200	0 to 34.0	0 to 1357	900	0 to 688	0 to 27481
250	0 to 53.1	0 to 2120	1000	0 to 849	0 to 33928

LINER MATERIAL AND FLANGE

⊚: Standard ○: Option -: Not applicable

Flange	Liner									Nor	ninal	size (r	nm)								
rating	Liner	25	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
JIS10K *1	Polypropylene	0	0	0	0	0	0	0	0	_	_	_	_	-	-	-	_	_	-	_	-
JISTOR	Hard rubber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JIS20K	Polypropylene	0	0	_	_	_	-	-	-	-	_	_	-	-	-	-	-	_	-	-	-
JISZUK	Hard rubber *2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	_	-
ASME	Polypropylene	0	0	0	0	0	0	0	0	-	_	_	_	-	-	-	_	_	-	_	-
class 150	Hard rubber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASME	Polypropylene	-	-	_	_	_	-	-	-	-	-	_	-	-	-	-	-	-	-	_	-
class 300	Hard rubber *2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
DIN PN10	Hard rubber	-	-	_	_	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
DIN PN16	Polypropylene	-	-	_	0	_	0	0	0	-	-	_	-	-	-	-	-	-	-	_	-
DIN PINTO	Hard rubber	-	-	_	0	_	0	0	0	0	0	0	0	0	0	0	0	-	-	_	-
DIN PN25	Polypropylene	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-	-	-	-	-	-
כבאום אווע	Hard rubber *2	-	-	-	0	-	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
DIN PN40	Polypropylene	0	0	0	-	0	-	-	-	-	-	-	_	-	-	-	_	-	-	-	-
DIN PN40	Hard rubber *2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-

^{*1} JIS20K flange is provided for nominal size 25 and 40mm as standard.

(Installation dimensions of JIS20K flange are equal to JIS10K except the flange thickness.)

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 $^{^{\}star}2$ The shape of detector housing for the nominal size 150 mm or less differs from the standard type.

DIMENSIONS

Version 1 type

Nominal size: 25 to 150mm

(26)

Grounding

terminal

(M5)

230

(TEGOL)

Flow direction ■ (Standard)

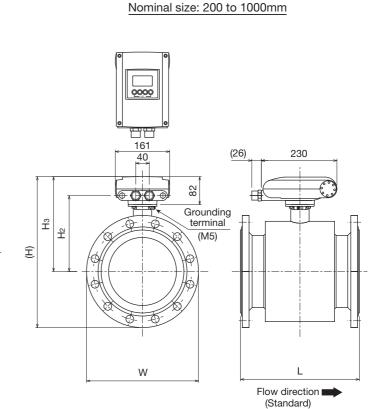
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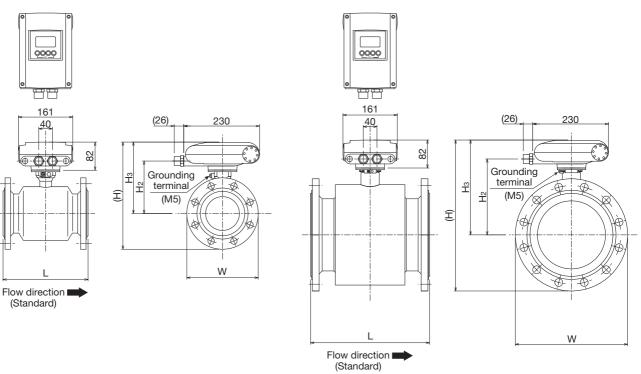
Version 2 type

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Nominal size: 25 to 150mm



Nominal size: 200 to 1000mm

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			I	Dimensions (mm	٦)			Maa	s (kg)
Nominal size (mm)		L *1	(H)	H2	H 3	W *2	ivias	s (kg)
(11111)	JIS 10K	ASME 150	JIS 10K	ASME 150	H2	H3	W "2	JIS 10K	ASME 150
25	150	150	228	220	111	166	90	10	11
40	150	150	243	237	118	173	105	11	12
50	200	200	262	261	130	185	120	11	12
65	200	200	271	272	134	189	140	13	14
80	200	200	284	286	136	191	150	15	16
100	250	250	314	323	154	209	175	18	21
125	250	250	348	350	168	223	210	22	25
150	300	300	379	378	184	239	240	25	29
200	350	350	446	452	226	281	291	40	49
250	400	400	502	505	247	302	331	55	71
300	500	500	549	568	272	327	381	66	103
350	500	700	594	615	294	349	428	86	137
400	600	800	655	673	320	375	483	107	175
450	600	800	710	717	345	400	533	127	196
500	600	800	764	775	371	426	585	138	233
600	600	800	879	887	426	481	694	176	318
700	700	-	992	-	485	540	812	258	-
800	900	-	1106	_	541	596	922	342	-
900	1000	-	1208	_	593	648	1026	440	-
1000	1200	-	1318	_	645	700	1132	524	-

^{*1 1)} Dimension L does not include earth rings thickness.

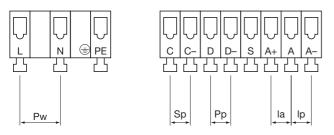
2) Total overall length (L') with earth rings is as follows.

 $L' = L+2 \times (3+t) \text{ mm}$

t: Gasket thickness between the liner and earth ring *

- 3) Dimension L is for JIS10K and ASME class150 flange. Consult TOKYO KEISO for other flanges.
- *2 Dimension W indicates external dimension of housing

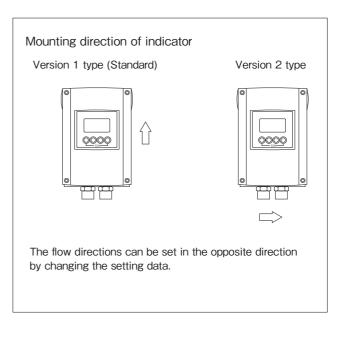
ELECTRICAL CONNECTION



Mark	Terminal	Polarity	Description
In	Α	+	Current output when power is supplied
lp	A-	-	externally.
lo	Α	-	Current output when power is supplied
l la	A+	+	internally.
Cn	С	+	Ctatus autout by apar callector
Sp	C-	-	Status output by open collector
Do	D	+	Dulas sutput by ones collector
Pp	D-	-	Pulse output by open collector
Pw	L (L+)	(+)	AC or DC power supply
PW	N (L-)	(-)	The () show DC power.
	DE (EE)		Grounding for power supply.
	PE (FE)		The (FE) shows DC power.
	S		Grounding for shielded wire

Terminal type : Spring clamp terminal
 Applicable core size : 0.5 to 2.5mm²

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^{*} In case of install the earth ring, gaskets are also needed between the primary head liner side and earth ring.

MODEL CODE

• Nominal size: 25 to 150mm

Model: EGM2100C

Primary head Spec. code	1 4 4		c	1	3		1		0	0 0	0		0	2	0	0 (0	0 0		Description	Standard
Primary head code V N	1 4	П	\top	\top		十	T	Т	П		T	T	T							Flange type	0
(Fixed code)	4							Т	П			Т	T							always 4	0
		4		\top		十	\top	T	П		T	T	\top							25mm	0
		6						Т				T	T							40mm	0
		7				十	\top	T	П			T	\top							50mm	0
Manainalaina		8	\top	\top		T	T	Т	П		T	T	T							65mm	
Nominal size		Α				\top		T	П			T	T							80mm	0
		В	\top	\top		十	T	Т	П		T	T	T							100mm	0
		С						Т	П			Т	T							125mm	
		D		\top		十	\top		П		T	T	\top							150mm	0
			3	\top		T	T	Т	П		Т	T	T							DIN PN16	
		Ī	4			\top	\top	T	П			T	\top							DIN PN25	
		ı	5	T		T		Т	П		T	T	T							DIN PN40	
Flores		ı	Α			T	T	Т	П		T	T	T							ASME class 150	
Flange			В						T			T	T							ASME class 300	
		ı	м	\top		十	\top	Т	П		T	T	\top							JIS 20K	
		Ī	N	\top		十	\top		П		T	T	\top							JIS 10K (For size 50mm or more) *1	0
		ı	9	\top		T	T	Т	П		Т	T	T							Others	
(Fixed code)			0			\top			П			T	T							always 0	0
Туре				1	3	T	T	Т	П		T	T	T							Compact type (EGC100 Converter)	0
				_	-	Т		Т	П			Т	\top							Polypropylene	0
Liner						5	T		П			T	T							Hard rubber	
						1	1	Т				T	T							Stainless steel (SS316)	
Electrode material						;	3		П			T	T							Hastelloy® C22	0
Construction of electrode							1	Т	П		Т	T	T							Fixed mounting	0
B								1	П			T	\top							Carbon steel / Carbon steel *4	0
Primary head housing / Fla	ange ma	iteria	aı					3	П		T	T	\top							Carbon steel / Stainless steel (SS316L)	
Protection class									0		Т	T	T							IP66/67	0
(Fixed code)									_	0 0		T	\top							always 00	0
Calibration											0	T	T							Standard calibration	0
												0								None	0
Earth ring												1								Stainless steel (SS316) *2	
Ü												9								Others *2	
(Fixed code)												-	0	2	0	0 (0 0	0 0		Always 02000000	0
,														_					(Blank)	None	T O
Special feature																			/Z	Involved *3	

Converter Spec. code	v	N	1 3	1	1 4	4 4	4		0		6	0 0	1		2	2 1	ı	0 (0	0	0 0				Description St	Standard
Converter code	٧	N	I 3	1	1	T							Τ				T					Т		Type: EGC10	00	0
(Fixed code)						4	T						Т	Г	Т	T	T							always 4		0
Type						-	4							Г	Τ		T							Compact typ	oe (EGC100 Converter 0∞ type)	0
Dawar armalı							T	1					Т	Г	Т	T	T							24V DC (11 t	to 31V)	
Power supply							Γ	Α		П			Т	Т	Т	Т	Т					Т		100 to 230V	AC (85 to 253V)	0
(Fixed code)									0					Т	Τ	T	T							always 0		0
										4			Т	П	Т	Т	Т					Т		1/2 NPT fem	nale thread	
Cable entry									ſ	5				Г	Τ		T							G1/2 female	thread	0
									ſ	6			Т	Г	Т	T	T							M20 with wa	atertight glands	
(Fixed code)											6	0 0		Т	Т	Т	Т							always 600		0
Housing													1	Г	Т	T	T							Standard		0
Marintina positio			- C	J:	مام									1	Т	Т	Т					Т		Version 1	Refer to the drawing MOUNTING DIRECTION OF	0
Mounting positio	11 01	LC	טע	JISI	piay	y								2			T							Version 2	INDICATOR.	
(Fixed code)															2	2	T							Always 2		0
Output type																1	1					Т		Standard (Cu	urrent output + Pulse output + Control input + Status output)	0
(Fixed code)																		0 (0	0	0 0			always 0000	0	0
Consist facture																						(E	Blank)	None		0
Special feature																							/Z	Involved *3		

^{*1} JIS20K flange is provided for nominal size 25 and 40mm as standard. (Installation dimensions of JIS20K flange are equal to JIS10K except the flange thickness.) Select JIS20K flange (Code:M) for size 25 and 40mm.

^{*2} The earth rings are to be installed between primary head and connection flanges on installation. (Refer to the remarks for "DIMENSIONS" table)

^{*3} In case that special feature are involved, put [/Z] at the end of spec. code and specify the details. It is recommended to consult TOKYO KEISO for such availability before ordering.

^{*4} When the size is 25 to 40mm and the wetted part lining is hard rubber, the material of primary head housing become cast duplex stainless steel.

• Nominal size : 200 to 600mm

Model: EGM2100C

Primary head Spec. code	N	1	5	4		c	,	1 3	0		1		0	0 0	0		0	2	0	0	0 0	0	0		Description	Standard
Primary head code V	N	1	5	П	_		†		\top		П	\top	T				T								Flange type	0
(Fixed code)				4	_		Ť		T		П	\top	T				T								always 4	0
,				\Box	Е		†				П		1				T								200mm	0
				ı	F	T	T		Т	Т	П	T	T		T		T								250mm	0
				ı	G	T	†		T		П	T	1				T								300mm	0
				ı	Н	T	T		Т	Т	П	T	T		T		T								350mm	
Nominal size				Ī	K		T		T		П	T	T				T								400mm	
				Ì	L		T						T												450mm	
				Ī	М		T		T		П	T	T				T								500mm	
				Ì	N		T		T		П	寸	T		T		T								600mm	
						2	T		T		П		T				T								DIN PN10	
						3	T		T		П	\top	T				T								DIN PN16	
					ı	4	T		T		П	T	T				T								DIN PN25	
					Ī	5	1																		DIN PN40	
Flange					ı	Α	T		T				T												ASME class 150	
•					ı	В	T		T		П	T	T				T								ASME class 300	
					ı	М	T		T		П	T	T												JIS 20K	
					ı	N	T		T		П	T	T				T								JIS 10K	0
					ı	9	T						T												Others	
Use purpose						()		Т		П	T	T		Т		T								General type (Non-explosionproof)	0
Туре							1	1 3					T												Compact type (EGC100 Converter)	0
Liner									0		П	T	T		Т		Γ								Hard rubber	0
Electrical constantal										1							T								Stainless steel (SS316)	
Electrode material										3	П	T	T		Т		Γ								Hastelloy® C22	0
Construction of electro	ode	9									1						Γ								Fixed mounting	0
Daire and based to a color	/ -	1				.1						1	T		Т		Γ								Carbon steel / Carbon steel	0
Primary head housing	/ F	ıan	ge	maı	teria	al .					Ī	3	T												Carbon steel / Stainless steel (SS316L)	
Protection class													0				T								IP66/67	0
(Fixed code)													T	0 0											always 00	0
Calibration															0										Standard calibration	0
																0	T								None	0
Earth ring																1	Γ								Stainless steel (SS316) *2	
-																9	T						T		Others *2	
(Fixed code)																_	0	2	0	0	0 0	0	0		always 02000000	0
Consist feature																	_						(E	Blank)	None	0
Special feature																								/Z	Involved *3	

Converter Spec. code	v	N	3	1	4	4				6	0	0	1		2	1	0	0	0	0	0				Description Sta	tandard
Converter code	V	Ν	3	1				Т							T									Type: EGC30	00 (Cylindrical housing)	0
(Fixed code)					4		Г																	always 4		0
Туре						4	Г						П		П									Compact typ	pe (EGC100 Converter 0∞ type)	0
Dower cumply							1																	24V DC (11	to 31V), General type (Non-explosionproof)	
Power supply							Α						П		П									100 to 230V	AC (85 to 253V)	0
Use purpose								0																General type	e (Non-explosionproof)	0
									4				П	П	П									1/2 NPT fem	nale thread	
Cable entry									5															G1/2 female	thread	0
·									6				П	П	П									M20 with wa	atertight glands	
(Fixed code)										6	0	0	1		1									Always 600		0
Housing													1											Standard		0
														1										Version 1	Refer to the drawing MOUNTING DIRECTION OF	0
Mounting position	1 Of L	.CL) ai	spi	ay									2	П									Version 2	INDICATOR.	
(Fixed code)															2	1								Always 2		0
Output type																								Standard (Cu	urrent output + Pulse output + Control input + Status output)	0
(Fixed code)																T	0	0	0	0	0			Always 0000	00	0
Consolal facture																						(BI	ank)	None		0
Special feature																							/Z	Involved *3		

^{*2} The earth rings are to be installed between primary head and connection flanges on installation. (Refer to the remarks for "DIMENSIONS" table)

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^{*3} In case that special feature are involved, put [/Z] at the end of spec. code and specify the details. It is recommended to consult TOKYO KEISO for such availability before ordering.

• Nominal size : 700 to 1000mm

Model: EGM2100C

Primary head V N 1 6 4	1	3 0	1		0 0	0 0	5	Τ,	0 2	0	0 (0 0	0 0		Description	Standard
Spec. code		++	+		+	_	+	+						-	Floorestrone	
Primary head code V N 1 6		+	_	\vdash	+	+	+	+						-	Flange type	0
(Fixed code) 4		++	+	\vdash	+	\rightarrow	+	+							Always 4	0
<u>P</u>		\perp		Ш		_	+	4							700mm	
Nominal size		\perp		Ш			\perp	4							800mm	
S		\perp					\perp	1							900mm	
Т							\perp								1000mm	
	2														DIN PN10	
Flange	N						Т								JIS 10K	0
	9	\Box					Т	Т							Others	
Use purpose	0							Т							General type (Non-explosionproof)	0
Туре	1	3					\top	T							Compact type (EGC100 Converter)	0
Liner		0					\top	1							Hard rubber	0
Electrode material 1 3							\top	Т							Stainless steel (SS316)	
							\top	Ť							Hastelloy® C22	0
Construction of electrode			1				\top	Т							Fixed mounting	0
							\top	Ť							Carbon steel / Carbon steel	0
Primary head housing / Flange mater	aı			3			\top	T							Carbon steel / Stainless steel (SS316L)	
Protection class					0		\top	Ť							IP66/67	0
(Fixed code)					0	0	\top	T							Always 00	0
Calibration						(5	1							Standard calibration	0
							C)							None	0
Earth ring						1	ı							Stainless steel (SS316) *2		
							9	9							Others *2	
(Fixed code)								1	0 2	0	0 (0 0	0 0		Always 02000000	0
Consist facture														(Blank)	None	0
Special feature														/Z	Involved *3	

Converter Spec. code	v	N	3	1	4	4				6	0 (0)	7	2	1	0	0	0	0	0			Description St	Standard
Converter code	٧	N	3	1								T	T	T	T	T							Type: EGC10	00	0
(Fixed code)					4							T	Т	T	T	T							always 4		0
Туре						4						T		T	T	T							Compact typ	e (EGC100 Converter 0∞ type)	0
1								T	Т	T	T	T							24V DC (11 t	o 31V), General type (Non-explosionproof)					
Power supply		Α					T	Т	T		Т							100 to 230V AC (85 to 253V)							
Use purpose 0												T	Т	T	T	T							General type	(Non-explosionproof)	0
4							T	Т	T		Т							1/2 NPT fema	ale thread						
Cable entry			Ì	5			T	T	T		T							G1/2 female	G1/2 female thread						
- 1				ı	6			T	T	1		T							M20 with watertight glands						
(Fixed code) 6 0 0									T							Always 600		0							
Housing											T							Standard		0					
A.4 .11 .111													1	1	T	T							Version 1	Refer to the drawing MOUNTING DIRECTION OF	0
Mounting position	Of L	CL	ais	spia	ıy								2	2		T							Version 2	INDICATOR.	
(Fixed code) 2										2	T							Always 2	0						
Output type 1												1	1							Standard (Current output + Pulse output + Control input + Status output)					
(Fixed code) 0 0 0 0 0															T	0	0	0	0	0		Always 00000			
Special feature													(Blank)	None											
													/Z	Involved *3											

^{*2} The earth rings are to be installed between primary head and connection flanges on installation. (Refer to the remarks for "DIMENSIONS" table)

STANDARD ACCESSORIES

Parameter sheet : 1Instruction manual : 1

OPTION

• G1/2 watertight glands for cable entry : 1 set [Symbol : WG]

ORDERING INSTRUCTIONS

Specify the following when ordering:

1. Model and spec. code

Example : Model : EGM2100C

Primary head spec. code :

VNI4 447NO4000440000000

VN1447N01303110000002000000

Converter spec. code: VN3144A05600112100000

- 2. Flow range (Full scale) (Unnecessary when option is NS.)
- Option (Specify if necessary.)Specify the symbol with reference to the option.
- 4. Fluid name

* Specification is subject to change without notice.

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^{*3} In case that special feature are involved, put [/Z] at the end of spec. code and specify the details. It is recommended to consult TOKYO KEISO for such availability before ordering.