



Vortex Flow Monitor Eggs DELTA II

Presenting the all-new Egg!

The Eggs DELTA, well-received in monitoring cleaning process, coolant process, and factory air usage, has evolved.



- Easy-to-view display with orange background.
- Intuitive instantaneous flow indication with an analog display.
- Large unit display.
- Compact design with reduced height.
- Capable of fixed conversion to Normal/Standard conditions by setting temperature and pressure.

■ GENERAL SPECIFICATIONS

Item		Description			
Nominal Diameter		4mm	8mm	15mm	25mm
Flow Range (L/min)	Water	0.4 to 4	1.1 to 15	2.8 to 45	8.3 to 133
Connection	Air	7.2 to 17	18 to 90	55 to 283	167 to 850
Construction	R male (resin), NPT male (resin), Rc female (metal)				
Accuracy	Indoor (non-explosionproof)				
Maximum Operating Pressure	Liquid: $\pm 2\%$ of full scale Gas: $\pm 3\%$ of full scale				
Fluid Temperature	0.98MPa				
Ambient Temperature	-10 to +80°C				
Ambient Temperature	-10 to +60°C				
Major Parts Material	Body, sensor: PPS resin (polyphenylene sulfide) Transmitter case: Polycarbonate				
LCD Display	<ul style="list-style-type: none"> Flowrate: 7-segment, 8 digits Unit: 16-segment, 3 digits Battery indicator Flow indicator (10-segment) Information indicator Background color: Orange <ul style="list-style-type: none"> Accumulated total flow: 8 digits Hourly instantaneous flowrate [b1]: 5 digits Per-minute instantaneous flowrate [b2]: 5 digits Resettable total flow [C]: 7 digits Measured fluid pressure setting Measured fluid temperature setting 				
LCD Display	<ul style="list-style-type: none"> Every time MODE button is pressed, the LCD displays items ① to ④ in order. For [Temperature/Pressure compensation] model, items ⑤ and ⑥ will be displayed in addition to ① to ④. 				
Power Source	Battery Powered	Battery unit (dedicated lithium battery) Battery life: Approximately 6 years (at room temperature)			
Power Source	Externally Powered	Power source: 12 to 45VDC			
External Output	Battery Powered	Local display only	No output		
External Output	Externally Powered (*1)	Analog output	4-20mA at 0-F.S. (Analog adjustment is available by using front buttons)		
External Output		Alarm output	Open drain output (open collector equivalent) Allowable current: 20mA, Maximum applied voltage: 30V <ul style="list-style-type: none"> Alarm output status is displayed on LCD. Status (switching ON/OFF) and set values of high/low alarm output are configurable by using front buttons. 		
External Output		Pulse output	Open drain output (open collector equivalent) Allowable current: 20mA, Maximum applied voltage: 30V Pulse width (Factored pulse): 30ms		
Installation location	<ul style="list-style-type: none"> Free from rain and water Minimal temperature variation No exposure to direct sunlight (equivalent to IP53) 				

*1: Simultaneous output of analog and another (alarm or pulse) output is available.

■ PRODUCT CODE EXPLANATION

ITEM	PRODUCT CODE										DESCRIPTION
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	
Model	F	L	M								Eggs DELTA II
Fluid Category		2									Liquid
Fluid Category		3									Gas
Nominal Diameter		S									4mm
Nominal Diameter		0									8mm
Nominal Diameter		1									15mm
Nominal Diameter		2									25mm
Display		-									
Display		1									LCD display provided
Output		0									No output (battery-powered)
Output		1									Factored pulse output
Output		2									Analog output
Output		4									High/low alarm output
Output		5									Factored pulse output + high/low alarm output
Output		7									Analog output + factored pulse output + high/low alarm output
Process Connection	P										R male thread Material: PPS
Process Connection	N										NPT male thread Material: PPS
Process Connection	S										Rc female thread Material: SCS14A
Version		D									Always "D"
Characteristic Code		0									None
Characteristic Code		N									Normal conversion
Characteristic Code		S									Standard conversion
Characteristic Code		Z									Other temperature/pressure compensation

■ OUTSIDE DIMENSIONS

● R/NPT thread							Unit: mm
Nominal diameter (mm)	φD	Thread nominal diameter	L	W	H1	H2	
4	8.5	R3/8	80	32	29	86.2	
8	13	R1/2	80	32	29	86.2	
15	14	R3/4	85	32	29	86.2	
25	24.5	R1 1/4	120	46	46	103.2	
4	8.5	NPT3/8	80	32	29	86.2	
8	13	NPT1/2	80	32	29	86.2	
15	14	NPT3/4	85	32	29	86.2	
25	24.5	NPT1 1/4	120	46	46	103.2	
● Metal connection							
Nominal diameter (mm)	φD	Thread nominal diameter	L	W	H1	H2	
4	8.5	Rc1/4	91	50	29	86.2	
8	10.7	Rc1/2	91	50	29	86.2	
15	14	Rc1	91	50	29	86.2	
25	24.5	Rc1	126	46	46	103.2	

The specification as of February, 2022 is stated in this catalog. Specifications and design are subject to change without notice.



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