



# Vortex Flow Monitor Eggs DELTA II

**Presenting the all-new Eggs!**

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
	Air	7.2 to 17	18 to 90	55 to 283	167 to 850
Connection		R male (resin), NPT male (resin), Rc female (metal)			
Construction		Indoor (non-explosionproof)			
Accuracy		Liquid: ±2% of full scale    Gas: ±3% of full scale			
Maximum Operating Pressure		0.98MPa			
Fluid 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		<div><div><ul style="list-style-type: none"><li>• Flowrate: 7-segment, 8 digits</li><li>• Unit: 16-segment, 3 digits</li><li>• Battery indicator</li><li>• Flow indicator (10-segment)</li><li>• Information indicator</li><li>• Background color: Orange</li></ul></div><div><ul style="list-style-type: none"><li>① Accumulated total flow: 8 digits</li><li>② Hourly instantaneous flowrate [b1]: 5 digits</li><li>③ Per-minute instantaneous flowrate [b2]: 5 digits</li><li>④ Resettable total flow [C]: 7 digits</li><li>⑤ Measured fluid pressure setting</li><li>⑥ Measured fluid temperature setting</li></ul></div><div><ul style="list-style-type: none"><li>• Every time MODE button is pressed, the LCD displays items ① to ④ in order.</li><li>• For [Temperature/Pressure compensation] model, items ⑤ and ⑥ will be displayed in addition to ① to ④.</li></ul></div></div>			
Power Source	Battery Powered	Battery unit (dedicated lithium battery)    Battery life: Approximately 6 years (at room temperature)			
	Externally Powered	Power source: 12 to 45VDC			
External Output	Battery Powered	Local display only	No output		
	Externally Powered (※1)	Analog output	4-20mA at 0-F.S. (Analog adjustment is available by using front buttons)		
		Alarm output	Open drain output (open collector equivalent)    Allowable current: 20mA, Maximum applied voltage: 30V • 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.		
		Pulse output	Open drain output (open collector equivalent)    Allowable current: 20mA, Maximum applied voltage: 30V    Pulse width (Factored pulse): 30ms		
Installation location		① Free from rain and water    ② Minimal temperature variation    ③ 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
				3							Gas
Nominal Diameter					S						4mm
					0						8mm
					1						15mm
					2						25mm
Display					-						
				1							LCD display provided
					0						No output (battery-powered)
					1						Factored pulse output
					2						Analog output
					4						High/low alarm output
Output					5						Factored pulse output + high/low alarm output
					7						Analog output + factored pulse output + high/low alarm output
						P					R male thread    Material: PPS
Process Connection						N					NPT male thread    Material: PPS
						S					Rc female thread    Material: SCS14A
Version							D				Always "D"
Characteristic Code							0				None
							N				Normal conversion
							S				Standard conversion
							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	Rc1/4	91    50    29    86.2
15	14	Rc1/2	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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