

Easy to use... Exceeding your expectations of Coriolis flowmeters!

[Mass flow measurement]

[Measurement of multiple kinds of liquid at laboratories or research facilities]

[Medicinal solution, solvent process]

[Slurry liquid, mixture process]

[Paint, spray, additive applications]





We add value to the flow



■ GENERAL SPECIFICATIONS

	Item	Description							
Мо	del	CR002	CR003	CR004					
	Wetted parts	SUS316L and SCS16A (*1)							
Materials	Base	ADC12	ADC12	SUS304					
ate	Housing and cover	ADC12							
Σ	Display shield	Polycarbonate							
Pro	cess connection	Rc 1/8							
Acc	eptable fluid	Liquid (Density range: 0.3 to 2.0 g/mL)							
Ope	rating temperature range	-10 to +60°C (Free of dew condensation)							
Max	. operating pressure	2MPa							
Flo	w directions	Forward flow only							
Pov	ver supply (*2)	20 to 30VDC							
Pov	ver consumption	Max.10W							
Fur	nished cable	AWG24×7 conductor, φ6.8×3m							
Dust	proof, waterproof construction								
Ins	tallation	Horizontal installation (clamp not required) Vertical installation (Bolthole provided)							
Dis	play	Backlit dot matrix: 8 digits							
Var	iables displayed	Instant mass flow, mass flow total, temperature							
We	ight	Approx. 3kg	Approx. 3kg	Approx. 6.5kg					
Con	nmunication interface	2011 202 (doing the 111 th protection)							
Pul	se output (*3)	Mass flow total open collector output (30V, 50mADC max.) FS: 0.1 to 10000Hz selectable -CR002:0.01g/P at 125Hz ·CR003:0.01g/P at 500Hz ·CR004:0.1g/P at 450Hz							
Ana	alog output (*3)	4 to 20mADC Max. load 600Ω Instant mass flowrate Damping: 1 sec. (std.) •CR002:0 to 75g/min •CR003:0 to 300g/min •CR004:0 to 2700g/min							
App	licable EU directive	EMC directive: 2004/108/EC							

■GENERAL PERFORMANCE

	Item	Description						
Mod	del	CR002	CR003	CR004				
	Max. Flow rate g/min	75	300	2700				
<u>j</u>	Min. Analog range g/min	5	20	180				
(Liquid)	Cutoff g/min (*1)	1.5	6	54				
rate	Factory calibration accuracy	±0.1% of F.SF. (Below 33% of flow rate) ±0.3% RD. (33% to 100% of flow rate)						
Flow	Repeatability	±0.07% of F.SF. (Below 33% of flow rate) ±0.2% RD. (33% to 100% of flow rate)						
	Analog accuracy	acy ±0.1% of full	y ±0.1% of full scale					

(*1) : The flow rate (output signal and indication level) becomes zero at cutoff level or lower. (Setting change by the customer is available.)

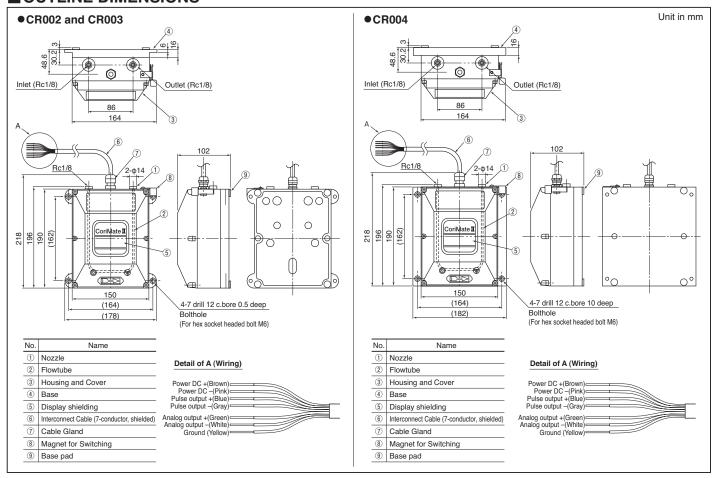
■ PRODUCT CODE EXPLANATION

Durt at Out																
Item		Product Code														Description
	1	2	3	4	(5)	6	-	7	8	-	9	10	11)	12	13)	Becomplien
Model	С	R														CoriMate
			0	0	2											0.7mm, Flow range (g/min): 2.5 to 75, Rc 1/8
Nomi size	Nominal size		0	0	3											1.5mm, Flow range (g/min): 10 to 300, Rc 1/8
		0	0	4											3mm, Flow range (g/min): 90 to 2700, Rc 1/8	
Struc	Structural category D -										CoriMate II					
Mater	Material SS-							-						SUS316L		
Proce	ocess connection 2											Screw connection				
Conn	nnection rule 0										Always "0"					
Press	ressure category 0										Always "0"					
Trans	nsmitter construction N										Non-explosionproof, integral type transmitter					
Versi	ersion code								В							

^{(*1):} Corrosion resistance of nickel brazing used in wetted parts is equivalent to SUS314.

(*3): The pulse output at the time of the shipment and analog output are standard setting. (Setting change possible)

OUTLINE DIMENSIONS



The specification as of June, 2014 is stated in this catalog. Specifications and design are subject to change without notice.



OVAL Corporation

3-10-8 Kamiochiai, Shinjuku-ku, Tokyo 161-8508 Tel. +81 3-3360-5121 Fax. +81 3-3365-8605

http://www.oval.co.jp/english



^{(*2):} SU1503 power unit is acceptable to this meter. (SU1303 power unit cannot be applied.)