

Inexpensive Microflow Coriolis Flowmeter

Compact!



CoriMate II

Separately mounted type

[Mass flow measurement]

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

[Medicinal solution, solvent applications]

[Slurry liquid, mixed liquid applications]

[Paint, spray, additive applications]

■ GENERAL SPECIFICATIONS

● Sensor

Item	Description		
Model	CR002	CR003	CR004
Wetted parts material	SUS316L (※1)		
Process connection	Rc1/8		
Applicable fluid	Liquid: Density range (0.3 to 2.0 g/mL)		
Measurable temperature range	-20 to +100°C		
Max. operating pressure	2MPa		
Flow direction	Forward flow only		
Dustproof, waterproof configuration	IP66		
Installation	• Horizontal installation (clamp not required) • Vertical installation (bolthole provided)		
Weight	4kg approx.		

※1: Corrosion resistance of nickel brazing used in wetted parts is equivalent to SUS314.

● Transmitter

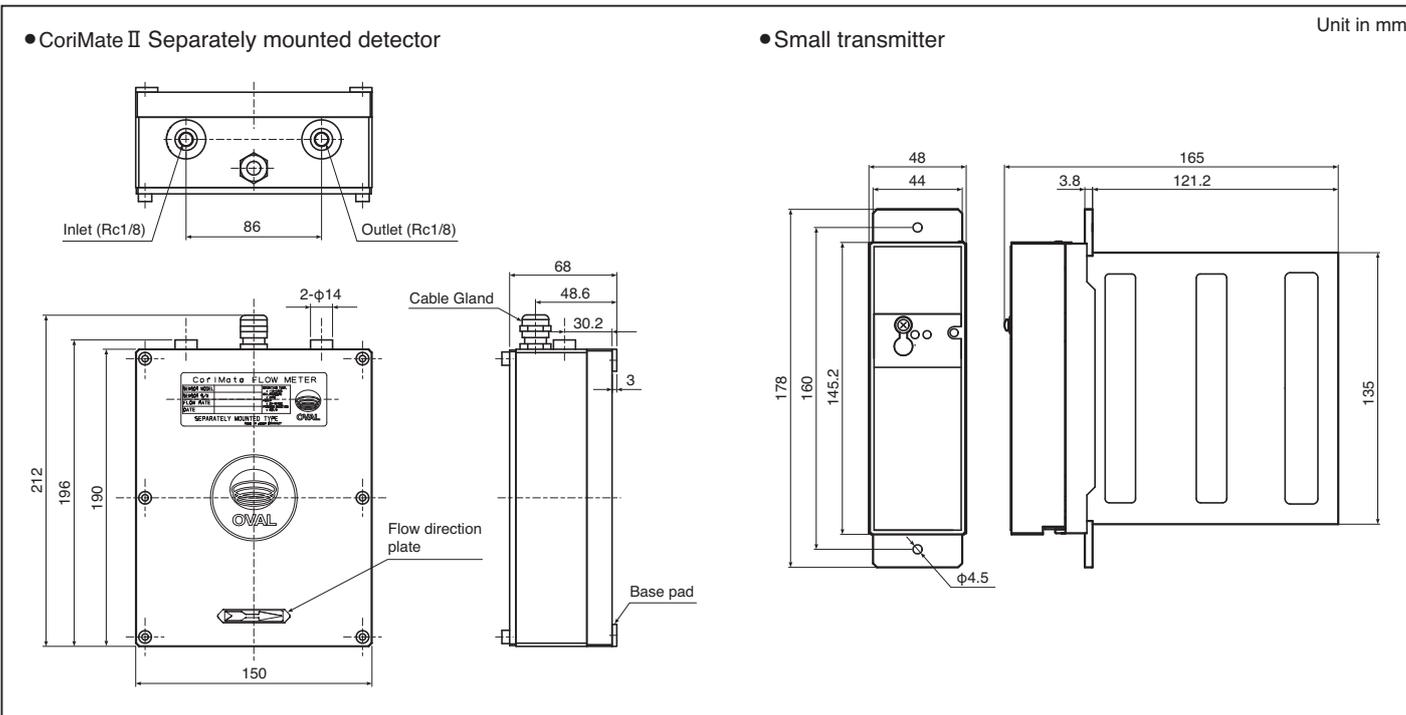
Item	Description
Power supply	100 to 240VAC (50/60HZ), or 20 to 30VDC
Power consumption	Max.21VA, or Max.7W
Ambient temperature	-20 to +50°C
Transmission length (Between sensor and transmitter)	Dedicated 9-core cable Max.50m
Explosionproof configuration	Non-explosionproof
Dustproof, waterproof configuration	IP20
Output signal	Analog, Pulse and Status
Communication protocol	HART, Modbus

■ GENERAL PERFORMANCE

Model	CR002	CR003	CR004
Max. Flow rate g/min	75	300	2700
Min. Analog range g/min	5	20	180
Cutoff g/min (※1)	1.5	6	54
Factory calibration accuracy	±0.3% R.D. (over 33% to 100% of flow rate) ±0.1% of F.S. (33% of flow rate or below)		
Repeatability	±0.2% R.D. (over 33% to 100% of flow rate) ±0.07% of F.S. (33% of flow rate or below)		
Analog accuracy	Accuracy ±0.1% of full scale		

※1: The flow rate (output signal and indicated value) becomes zero at cutoff level or lower.

■ OUTLINE DIMENSIONS



* Smart communication unit model EL2310-08J/E110 is separately required for parameter setting.

The specification as of December, 2017 is stated in this catalog. Specifications and design are subject to change without notice.



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