

## P-010 Series

Purgemeter (Suitable for lot production)

### GENERAL

**P-010** series of flowmeter is the updated version of P-100 series which has been appreciated by many customers. By limiting the measuring fluids to water, air and nitrogen, this lot production flowmeter is suitable for your ordering of more than 10 units with same specifications. The inscription of graduation by the laser on the convex surface makes reading easier.

### MAJOR APPLICATIONS

General purpose (for small flow rate, Water lines and Air / Nitrogen lines)

### STANDARD SPECIFICATIONS

Measuring object		Liquid (Water <Density 1.0g/cm³ and Viscosity 1.0mPa·s>) Gas (Air / Nitrogen : 0°C, 0 MPa)	
Scale range	Water	Min. range: 5~50mL/min Max. range: 0.4~2L/min	· Gas at 0°C, 0 MPa · When selecting flow rate, refer to model code.
	Gas (Air/Nitrogen)	Min. range: 0.1~1L/min (nor) Max. range: 5~50L/min (nor)	
Range ability		10:1	10:2 occasionally
Accuracy		±5%	
Max. Op. Press.		0.8 MPa	
Max. Op. Temp.		120°C	
Material		Standard	
	Body	SCS14	
	Tapered tube	Pyrex glass	
	Packing	NBR (max. 80°C)	FPM (max.120°C)
	Support	A6063-T5	
	Front panel	ABS	
Scale plate		Poly-carbonate	
Connection		Rc1/4	
Mounting		Lock-nut mount onto panel front	
Mass (Std. type)		0.5 kg	



### MODEL CODE

SERIES NAME	FLOW DIRECTION	VALVE	ALARM OUTPUT	WETTED PARTS MATERIAL	PACKING MATERIAL	CONNECTION TYPE	CONNECTION SIZE	EXAMPLE	
								DESCRIPTION	
P-01	0	-L	0	4	N	R	2	1/4 (Standard)	
					Z	Special			
					R	Rc thread (Standard)		Lock-nut mounting onto panel front	
					Z	Special			
					N	NBR (Standard)			
					F	FPM			
					Z	Special			
					4	SCS14 (Standard)			
					Z	Special			
				0	Not provided				
				Z	Special				
			0	Not provided					
			L	Bottom(gas for atmospheric pressure scale)					
			U	Top(gas for press. scale or for negative press. on secondary side)					
			Z	Special					
			0	Bottom rear → Top rear (Standard)					
			9	Special					

### ALARM OUTPUT

Type		Availability
Reed switch type alarm unit	General	×
	CE, UL Version	×
PAU Optical alarm unit		×
Optical alarm unit		×

### STANDARD FLOW RATE TABLE

(In case Op. Press. at gas is not 0MPa, consult factory for details)

In case alarm output code is 0		In case alarm output code is A to D			
AIR(OMPa,0°C)	Water	AIR(OMPa,0°C)	Alarm setting range	Water	Alarm setting range
0.1~1 L/min (nor)	5~50 mL/min 10~100 mL/min				
0.3~3 L/min (nor)	20~200 mL/min 30~300 mL/min				
0.5~5 L/min (nor)	50~500 mL/min				
1~10 L/min (nor)					
2~20 L/min (nor)	0.1~1 L/min				
3~30 L/min (nor)					
4~40 L/min (nor)	0.3~1.5 L/min				
5~50 L/min (nor)	0.4~2 L/min				

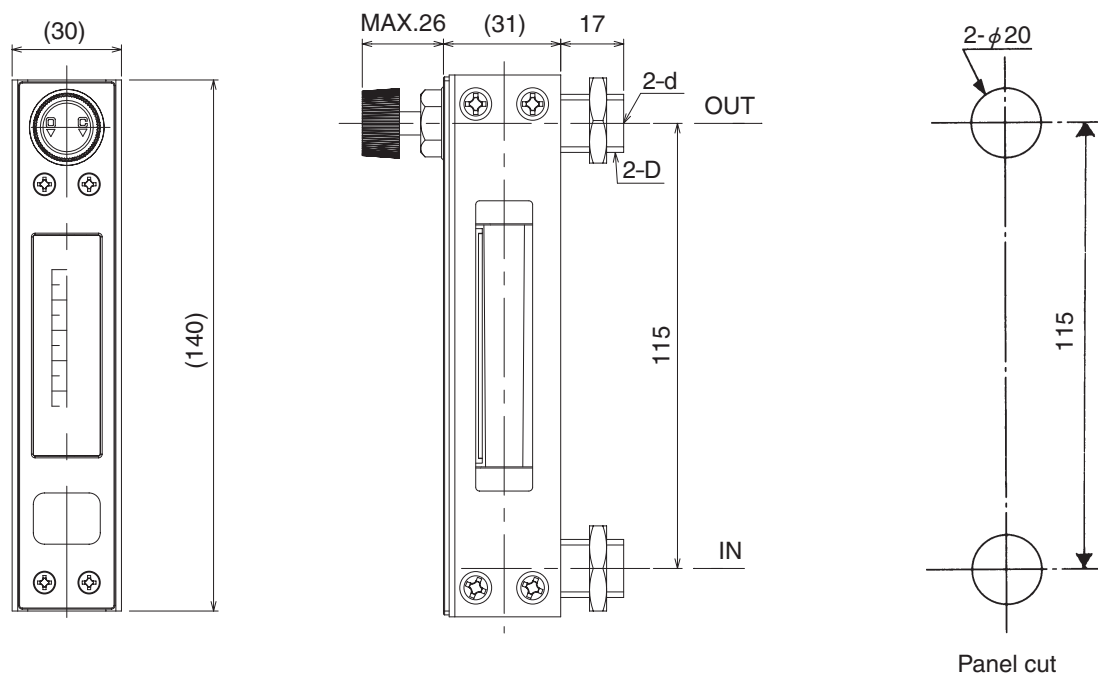
### ORDERING INFORMATION

Basic model code	Designation items for detailed specifications					
P-01□-□□-□□-□□	①	②	③	④	⑤	⑥
	Fluid name	Measuring range	Press.	Temp.	Mounting option	Other option

## DIMENSIONS

### Standard type

- P-010-U0-4N-R□ (Valve provided at Outlet)



### Panel cut size

Connection size	
d = Rc1/4	D = M18

### Standard material

Parts name	Standard material	Available material
Body *	SCS14	
Tapered tube *	Pyrex glass	
Float *	SUS304 or Glass	PTFE / Ruby
Packing *	NBR	FPM
Support	A6063-T5	
Front panel	ABS	
Scale plate	Poly-carbonate	

Parts with \* contact the measuring fluid.

\* Specification is subject to change without notice.

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