

P-710

● Old model P-700-1

■ GENERAL

Purgemeter made of all fluorine resin. A ZEONEX (poly-olefin) tapered tube is also available in addition to glass tapered tube. Fully compatible with measurement of various corrosive solutions including hydrofluoric acid. Lightweight and extra-compact.

■ MAJOR APPLICATIONS

General purpose (Small flow rate)

■ STANDARD SPECIFICATION

Measuring object	Liquids and gases	
Measuring range	Water	Min. 3~30 mL/min. Max. 0.4~2 L/min.
	Air	Min. 50~500 NmL/min. Max. 2~20 NL/min.
Range ability	10:1	
Accuracy	±5%F.S.	
Max. Op. Press.	5kgf/cm ² G(0.5MPa)	
Max. Op. Temp.	70°C	
Material	Std.	Option (Specify by model code)
Body	ETFE	PFA(Connection type T)
	Pyrex glass	CTFE, Silica glass, Poly-orefin resin (ZEONEX)*
	PTFE	
	Poly-ascethal	PPS is available as option
Cover	Poly-carbonate	
Connection	Std.	Rc1/8
	Opt.	Tube connection OD=6.35mm 6mm,8mm(Specify the tube length)
Mounting	Std.	Thread mount onto panel front or panel-rear installation.
	Opt.	
Weight (std. type)	0.1kg	

* Consult factory for details.

■ ALARM AND ANALOG OUTPUT

Type	Availability	Reference pages
Reed switch type alarm unit	General	×
	CE, UL Version	×
PAU Optical alarm unit	○	51 page
Optical alarm unit	○	52 page
Analog output unit	○	53-56 page

■ STANDARD FLOW RATE TABLE

(In case Op. Press at gas is not 1atm, refer to page 1.)

AIR(1atm, 0°C)	Water
50 ~ 500 NmL/min	3 ~ 30 mL/min (Water)
0.1 ~ 1 NL/min	5 ~ 50 mL/min
0.2 ~ 2 NL/min	10 ~ 100 mL/min
0.3 ~ 3 NL/min	20 ~ 200 mL/min
0.5 ~ 5 NL/min	30 ~ 300 mL/min
1 ~ 10 NL/min	50 ~ 500 mL/min
2 ~ 20 NL/min	0.1 ~ 1 L/min
	0.12 ~ 1.2 L/min
	0.4 ~ 2 L/min

*In case alarm output code is G, flow rate is different. Consult factory for details.
*In case flow range is 0.4~2L/min(Water), valve code is only available for O and U.
*Applicable tapered tube for air is only Code G.

■ OTHER AVAILABLE OPTIONS

You can specify the following options:
Double graduations, special graduations, built-in joint type, etc.
(For details, refer to ⑥ [Other Option] on page 60).

■ ORDERING INFORMATION

Basic model code	Designation items for detailed specifications					
P-710- □□-□□-□□	①	②	③	④	⑤	⑥
(Use model code table for selection)	Fluid name	Measuring range	Press.	Temp.	Mounting Option	Other Option
	(For specification procedure, refer to page 57)					



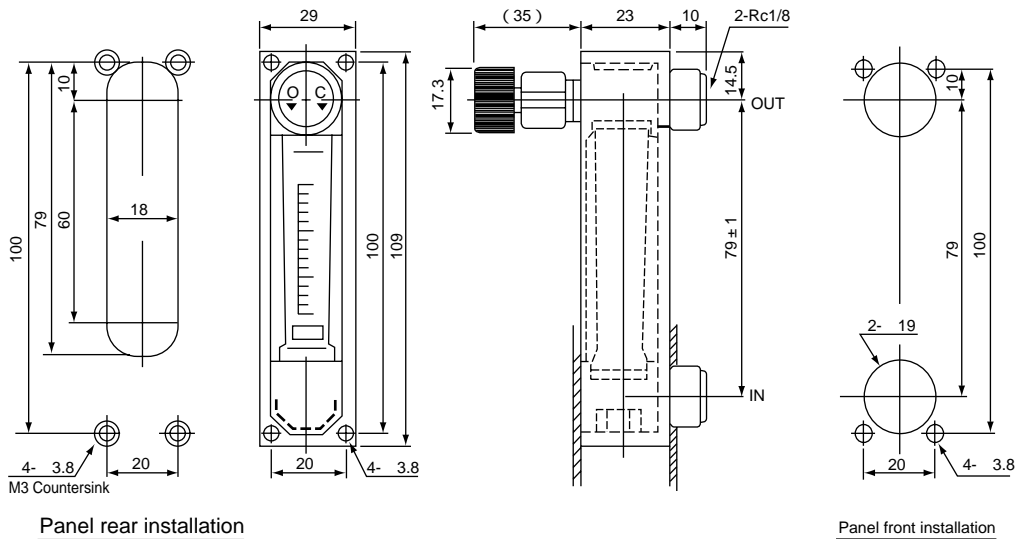
■ BASIC MODEL CODE

SERIES NAME	VALVE	ALARM ANALOG OUTPUT	TAPERED TUBE MATERIAL	PACKING MATERIAL	CONNECTION TYPE	CONNECTION SIZE	EXAMPLE	DESCRIPTION
P-710	U	0	G	T	T	1		
	VALVE	ALARM ANALOG OUTPUT	TAPERED TUBE MATERIAL	PACKING MATERIAL	CONNECTION TYPE	CONNECTION SIZE		
							1	Rc 1/8 (Standard) Only when connection type code is R
							A	φ6.35×1t Only when connection type code is T
							B	φ6×1t Only when connection type code is T
							C	φ8×1t Only when connection type code is T
							Z	Special
							R	Rc thread (Standard)
							T	Tube end fitting Pillar fitting
							Z	Special
							T	PTFE(Standard) Rubber cushion provided
							G	Pyrex glass(Standard)
							T	CTFE Alarm, analog output can not be selected
							Z	Poly-orefin resin
							0	Not provided
							E	PAU ALARM UNIT provided Refer to page 51.
							F	E3C Separate type Optical alarm unit Refer to page 52.
							G	PAS/IAU analog output unit Refer to page 53.
							H	PCS/OAC analog output unit Refer to page 55,56.
							Z	Special
							0	Not provided
							L	Bottom Refer to valve position selection guide (Page 61).
							U	Top
							Z	Special

DIMENSIONS

● STANDARD TYPE

(P-710-U0-GT-R1 Valve provided at Outlet, Panel screw fixing)



Panel rear installation

Panel front installation

● Standard Material

Parts name	Standard material	Available material
Support	Poly-ascethal	PPS resin
Body	ETFE	PFA(Connection type T)
Tapered tube	Pyrex glass	ZEONEX*, PCTFE
Packing	PTFE	-
Float	PTFE/Glass	Ruby
Valve body	PCTFE	-
Valve needle	PCTFE	-
Cover	Poly-carbonate	-

Parts whose names are described in **bold letters** are in contact with fluids to be measured.

* When selecting ZEONEX, the confirmation on the corrosion resistance shall be made in advance with factory.

● In case alarm output code is E to H

E	PAU ALARM UNIT provided	Refer to page 51.
F	E3C Separate Type Optical alarm unit provided	Refer to page 52.
G	PAS/IAU analog output unit provided	Refer to page 53.
H	PCS/OAC analog output unit provided	Refer to page 55, 56.

Alarm output cannot be selected when the tapered tube material is CTFE.