



TECHNICAL GUIDANCE

Corrosion-resistant purgometer with fluorocarbon resin body for measuring medium flow rates of liquids

P-774 Purgometer

OUTLINE

The P-774 is a new fluorocarbon resin purgometer with a face-to-face dimension of 100 mm. Its cleanliness is ensured by a PFA-molded integral body and fitting as well as the welded sealing section.

MAJOR APPLICATIONS

Pure/ultra-pure waterlines and chemical lines in semiconductor production processes

STANDARD SPECIFICATIONS

Measuring fluid	Liquids		
Measuring range	Water	Min. 0.1 to 1 L/min	Max. 0.7 to 7 L/min
Range ability	10 : 1		
Indication accuracy	±5% F.S.		
Fluid pressure	Max. 0.5MPa		
Fluid temperature	Max. 60°C		
Material	Meter body	PFA	Integrally molded
	Tapered tube	PFA	
	Gasket	For models with a valve : PTFE	
	Side plate	PVC	
	Cover	PVC	
Process connection	φ10 Pillar fitting (Super fitting)		
Mounting	Screw mount on the panel front (Standard)		
Mass	approx. 0.5 kg		

ALARM CONTACT AND OUTPUT

Type	Availability	
Reed switch type alarm unit	General	×
	CE, UL-approved	○

For CE approval, refer to "Index & Quick Reference for P Series Purgometers" (TG-S0001).

STANDARD FLOW RATE TABLE

For alarm output codes of 0 or E	For alarm output codes of A to D	
Water	Water	Alarm setting range
0.1 to 1 L/min	/	/
0.2 to 2 L/min		
0.3 to 3 L/min	0.3 to 3 L/min	0.6 to 2.4 L/min
0.5 to 5 L/min	0.5 to 5 L/min	1.0 to 4.0 L/min
0.6 to 6 L/min	0.6 to 6 L/min	1.2 to 4.8 L/min
0.7 to 7 L/min	0.7 to 7 L/min	1.4 to 5.6 L/min

Although other flow rate specifications are available, some flow ranges need to be changed. Contact us for details.



BASIC MODEL CODE

Model Code		Descriptions	Notes
P-774	- □ □ - T □ □ □		
Valve	- 0	Not provided	Refer to "Index & Quick Reference for P Series Purgometers" (TG-S0001).
	- U	Outlet	
	- Z	Special	
Alarm output	0	Not provided	
	A	Reed switch alarm (LO)	
	B	Reed switch alarm (LC)	
	C	Reed switch alarm (HO)	
	D	Reed switch alarm (HC)	
	Z	Special	
Wetted parts material	- T	PFA (Standard)	
Gasket material	W	Not provided / Welded structure (Standard)	
	Z	Special	
Process connection size	- P	Tube end φ10 Pillar fitting	Super fitting
	- Z	Special	

OTHER AVAILABLE OPTIONS

You can specify the following options:

Alarm setting on the front face, length of reed switch lead wire, double graduations, special graduations, etc.

For details, refer to "Index & Quick Reference for P Series Purgometers" (TG-S0001).

ORDERING INFORMATION

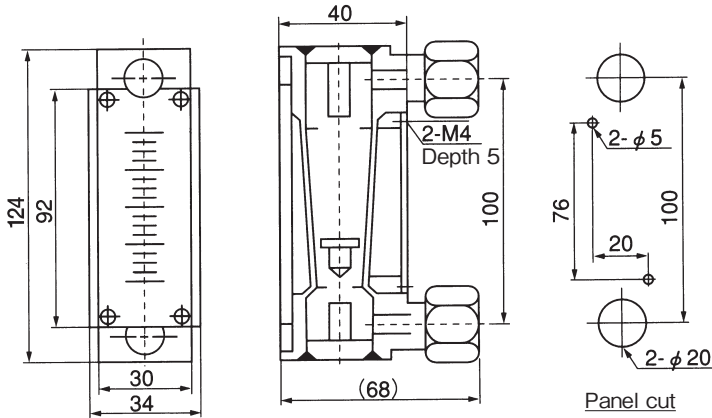
Basic model code	Items to be specified
P-774-□□-□□-□	① Fluid name - ② Flow range - ③ Press. - ④ Temp. - ⑤ Mounting option - ⑥ Other options
(Select in the model code table.)	(Refer to "Index & Quick Reference for P Series Purgemeters" (TG-S0001).)

DIMENSIONS

Standard type

P-774-00-TW-P

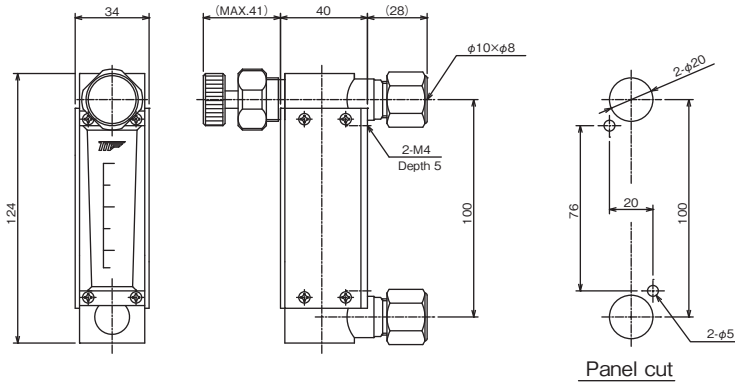
- Screw mounting on the panel front
- Without a valve



Standard type

P-774-U0-TW-P

- Screw mounting on the panel front
- Valve at the outlet



Note: Use non-magnetic material for the panel when the alarm output code is one of A to D.

Standard material

Parts name	Standard material
Body, Tapered tube	○ PFA integral mold
Float	○ PTFE
Float stopper	○ PFA
Valve body	○ PCTFE
Valve needle	○ PCTFE
Scale plate	Transparent PVC
Side plate	PVC
Cover	PVC

Parts marked "○" come in contact with the measuring fluid.

* Specification is subject to change without notice.

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