



TECHNICAL GUIDANCE

Compact, low-cost, quick-delivery purgometer with POM body for measuring gases and liquids

XP Purgometer

OUTLINE

The body of the standard compact purgometer is made of Polyacetal(POM).
This purgometer can reduce your stock with a quick delivery and low cost.

MAJOR APPLICATIONS

General purpose, quick delivery

STANDARD SPECIFICATIONS

| | | |
|----------------------------|--|--|
| Measuring fluid | Gases Liquids | |
| Measuring range (Standard) | Air | Min. 0.1 to 1 L/min (nor) Max. 2 to 20 L/min (nor) • 0 MPa (1atm), 20 °C |
| | Water | Min. 0.02 to 0.1 L/min Max. 0.2 to 1 L/min • 1.0 g/cm ³ , 1.0 mPa · s |
| Measuring range (Optional) | Air | Min. 0.1 to 1 L/min (nor) Max. 2 to 20 L/min (nor) |
| | Water | Min. 0.02 to 0.1 L/min Max. 0.2 to 1 L/min |
| | • When selecting a flow range, refer to "Index & Quick Reference for P Series Purgometers" (TG-S0001). | |
| Range ability | 10:1 (10:2 for some models) | |
| Indication accuracy | ±5% F.S. | |
| Fluid pressure | Max. 0.4 MPa | |
| Fluid temperature | Max. 50°C | |
| Material | Wetted part | Polyacetal (POM) |
| | Tapered tube | Heat-resistant glass |
| | Gasket | Fluoro rubber |
| | Cover | Polycarbonate |
| Process Connection | Rc: 1/4" (Standard) | |
| Mounting | Screw mount on the panel front (Standard) | |
| Mass | approx. 0.1 kg | |

The maximum fluid temperature for each material may vary depending on usage and ambient conditions.

ALARM CONTACT AND OUTPUT

| Type | Availability | |
|-----------------------------|--------------|---|
| Reed switch type alarm unit | General | × |
| | UL-approved | × |
| PAU optical alarm unit | ○ | |

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



BASIC MODEL CODE

| Model Code | | | | Descriptions | Notes |
|--------------|--------------------------|--------------------------|--------------------------|--|---|
| XP- | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| Flow range | L 1 | | | Water 0.02 to 0.1 L/min | |
| | L 2 | | | Water 0.04 to 0.2 L/min | |
| | L 3 | | | Water 0.06 to 0.3 L/min | |
| | L 4 | | | Water 0.1 to 0.5 L/min | |
| | L 5 | | | Water 0.2 to 1 L/min | |
| | G 1 | | | Air 0.1 to 1 L/min (nor) | |
| | G 2 | | | Air 0.3 to 3 L/min (nor) | |
| | G 3 | | | Air 0.6 to 6 L/min (nor) | |
| | G 4 | | | Air 1 to 10 L/min (nor) | |
| | G 5 | | | Air 2 to 20 L/min (nor) | |
| | 0 0 | | | Special flow range | |
| Valve | | — | 0 | Not provided | Refer to "Index & Quick Reference for P Series Purgometers" (TG-S0001). |
| | | — | L | Inlet (gas for atmospheric pressure scale) | |
| | | — | U | Outlet (gas for pressure scale) | |
| Alarm output | | | 0 | Not provided | |
| | | | E | PAU alarm unit provided | |

ORDERING INFORMATION

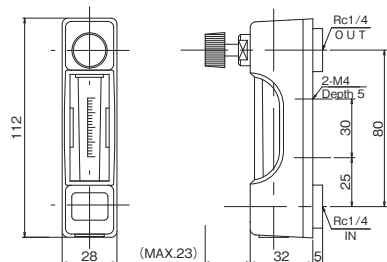
| | |
|-----------------------------------|--|
| Basic model code | Items to be specified |
| XP-□□-□□ | ① Fluid name – ② Flow range – ③ Press. – ④ Temp. – ⑤ Mounting option – ⑥ Other options |
| (Select in the model code table.) | (Refer to "Index & Quick Reference for P Series Purgemeters" (TG-S0001).)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

DIMENSIONS

Standard type

XP-□□-U0

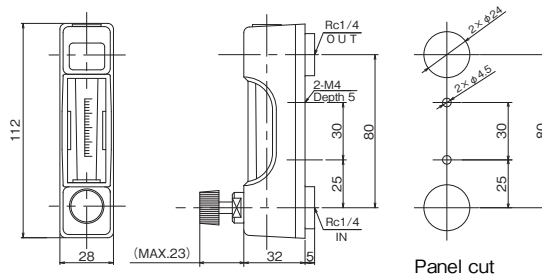
- Screw mounting on the panel front
- Valve at the outlet



Standard type

XP-□□-L0

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



Standard material

| Parts name | Standard material | Available material |
|--------------|------------------------|--------------------|
| Body | ○ Polyacetal (POM) | — |
| Tapered tube | ○ Heat-resistant glass | — |
| Float* | ○ SUS316, Glass | Ruby |
| Packing | ○ Fluoro rubber | — |
| Valve | ○ Polyacetal (POM) | — |
| Cover | Polycarbonate | — |

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

*We will select a proper material for your application.

* Specification is subject to change without notice.

TIV TOKYO KEISO CO., LTD.

Head Office : Shiba Toho Building, 1-7-24 Shibakoen, Minato-ku, Tokyo 105-8558

Tel : +81-3-3431-1625 (KEY) ; Fax : +81-3-3433-4922

e-mail : overseas.sales@tokyokeiso.co.jp ; URL : http://www.tokyokeiso.co.jp