

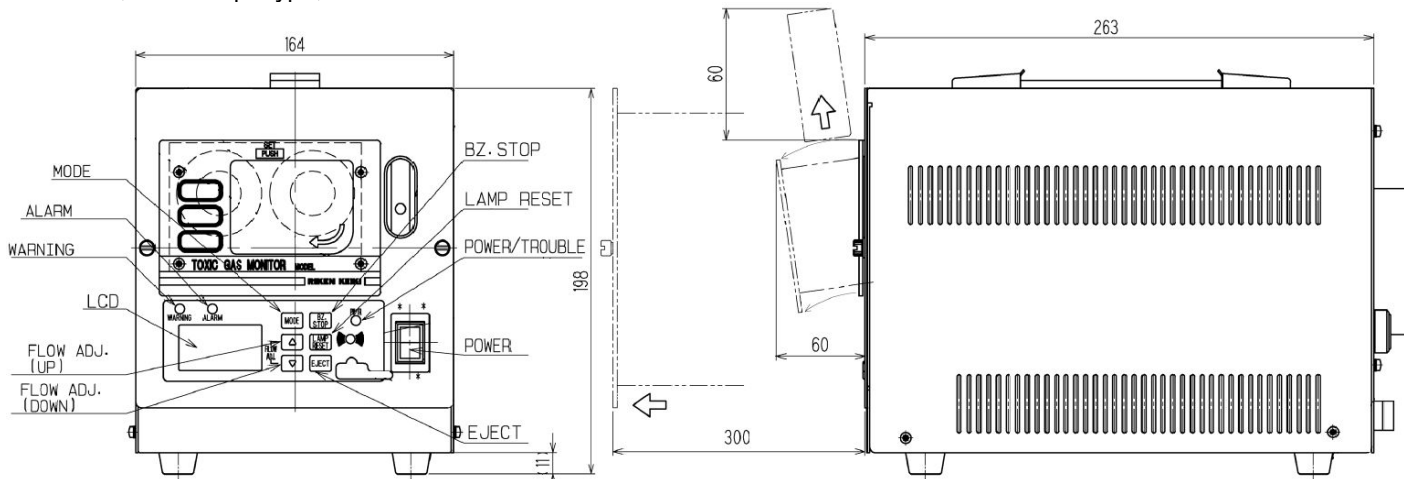
GAS MONITOR **FP-301 SPECIFICATION**

Detection principle	Chemical Tape Method
Detectable gas	H ₂ Se/AsH ₃
Gas concentration display	LCD(digital)
Measuring range	H ₂ Se : 0~200ppb AsH ₃ : 0~15ppb
Measurement cycle	H ₂ Se : 60sec AsH ₃ : 180sec
Sampling method	Measure the value of integral within the period
Detection method	Pump suction method
Suction flow	Approx. 0.5L/min
Alarm preset point	H ₂ Se : 50ppb(1st)/100ppb(2nd) AsH ₃ : 5ppb(1st)/10ppb(2nd)
Power indication	PW/TR lamp lighting(green)
Various indications	Gas/Tape reminder
Output	Gas concentration signal/Gas alarm contact/Trouble alarm contact
Alarm accuracy (under an identical condition)	Less than $\pm 20\%$ (against alarm preset point)
Alarm-delay time (under an identical condition)	Less than 60sec(when introducing 1.6 times thicker gas than alarm preset point)(at a measurement cycle)(without piping delay time)
Gas alarm type	Two-level alarm(H-HH)
Gas alarm indication	1st : WARNING lamp blinking or lighting(orange)・Buzzer 2nd : ALARM lamp blinking or lighting(red)・Buzzer
Gas alarm action	Latched or Auto-recover
Gas alarm contact	Each no-voltage contact 1C
Trouble alarm・Self diagnosis	Tape cut/Tape end notice/Tape end/Tape failure/Tape set failure
Trouble alarm indication	PW/TR lamp blinking(green)/content display
Trouble alarm action	Auto-recover
Trouble alarm contact	Each no-voltage contact 1C
Contact capacity	AC125V・0.5A(resistive load)
Transmission scheme	Analog transmission
Specification of transmission	DC4~20mA(load resistance less than 300 Ω)
Power supply	Desk top type : AC100V~240V $\pm 10\%$ ・50/60Hz Panel mounting type : DC24V $\pm 10\%$
Power consumption	Desk top type : Approx. 16VA/MAX. 30VA(At tape feed) Panel mounting type : Approx. 10W/MAX. 20W(At tape feed)
Continuous operation time	Tape operation time : MAX. 1month(Without gas)
Piping port	Rc1/4(PP half union<for 0. D ϕ 6-1t> is provided as standard accessories.)
Operating temperature	5~35°C(non-rapidly-vary)
Operating humidity	30~80%RH (non-condensing. It may differ depending on the tape which is used.)
Structure	Desk top type or Panel mounting type(TYPE-P)
Outer dimension	Desk top type : Approx. 164(W) × 198(H) × 263(D)mm Panel mounting type : Approx. 164(W) × 164(H) × 263(D)mm
Weight	Desk top type : Approx. 6.5kg Panel mounting type : 5.5kg
Color	Munsell 5Y8.4/0.5

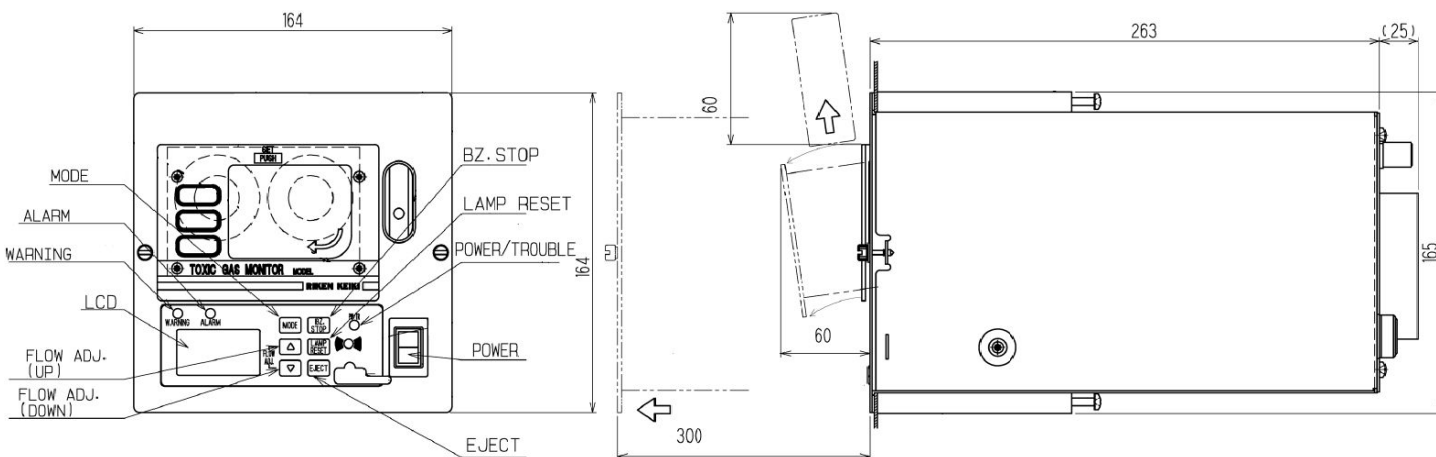
※It will become excluded from the specification of alarm-delay time when AsH₃ gas.

Outline Drawings

< Desk top type >



< Panel mounting type (TYPE-P) >



Terminal Drawings

- ① AC220V(L) / DC24V (+)
- ② AC220V(N) / GND (-) } Power input
- ③ GND

- ④ 4-20mA (+)
- ⑤ 4-20mA (-) } Current output
- ⑥ No use
- ⑦ No use
- ⑧ No use

- ⑨ COM
- ⑩ a } WARNING contact
- ⑪ b }
- ⑫ COM
- ⑬ a } ALARM contact
- ⑭ b }
- ⑮ COM
- ⑯ a } Trouble contact
- ⑰ b }

