

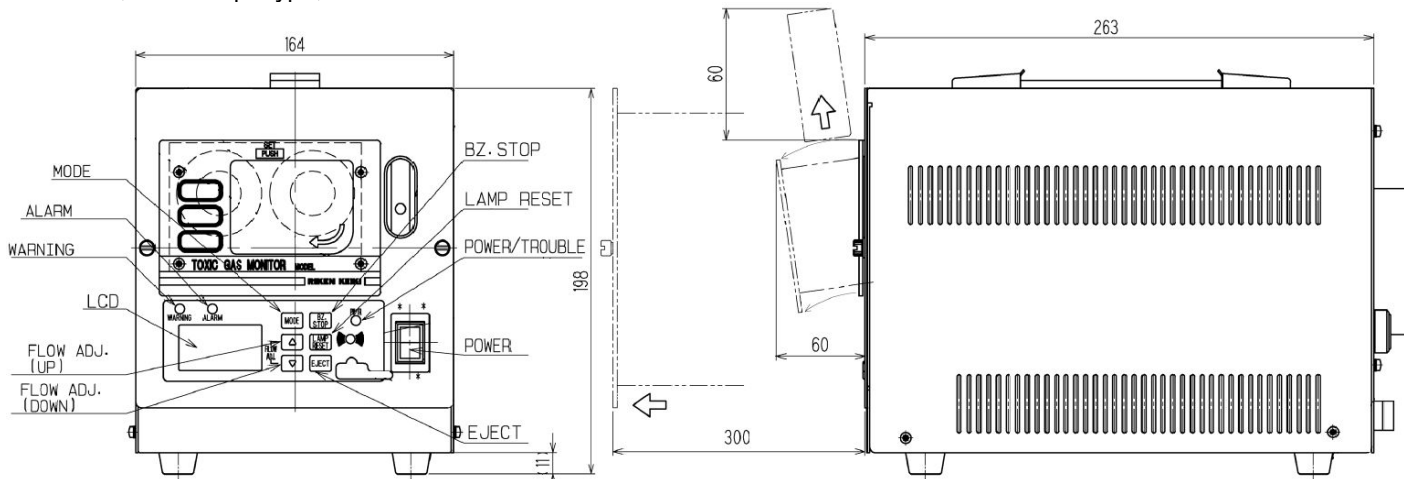
GAS MONITOR **FP-300 SPECIFICATION**

Detection principle	Chemical Tape Method
Detectable gas	Toxic gas
Gas concentration display	LCD(digital)
Measuring range	Depend on Detectable gas
Measurement cycle	Depend on Detectable gas
Sampling method	Measure the value of integral within the period
Detection method	Pump suction method
Suction flow	Approx. 0.5L/min
Alarm preset point	Depend on Detectable gas
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) \times 198 (H) \times 263 (D) mm Panel mounting type : Approx. 164 (W) \times 164 (H) \times 263 (D) mm
Weight	Desk top type : Approx. 6.5kg Panel mounting type : 5.5kg
Color	Munsell 5Y8. 4/0.5

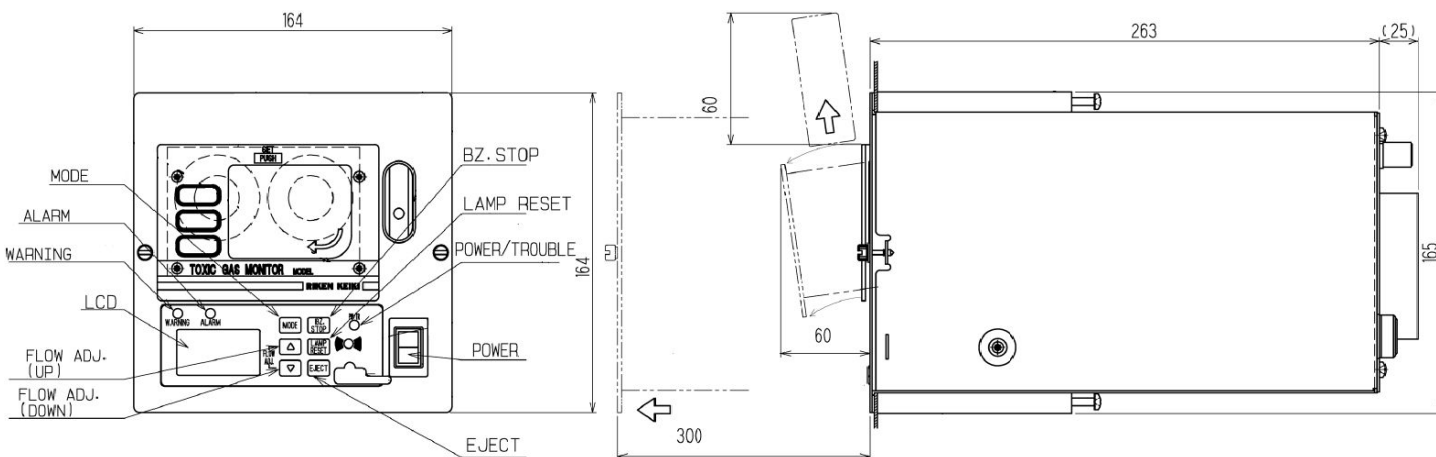
※It will become excluded from the specification of alarm-delay time when the measurement cycle exceeds 60sec.

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 }

