

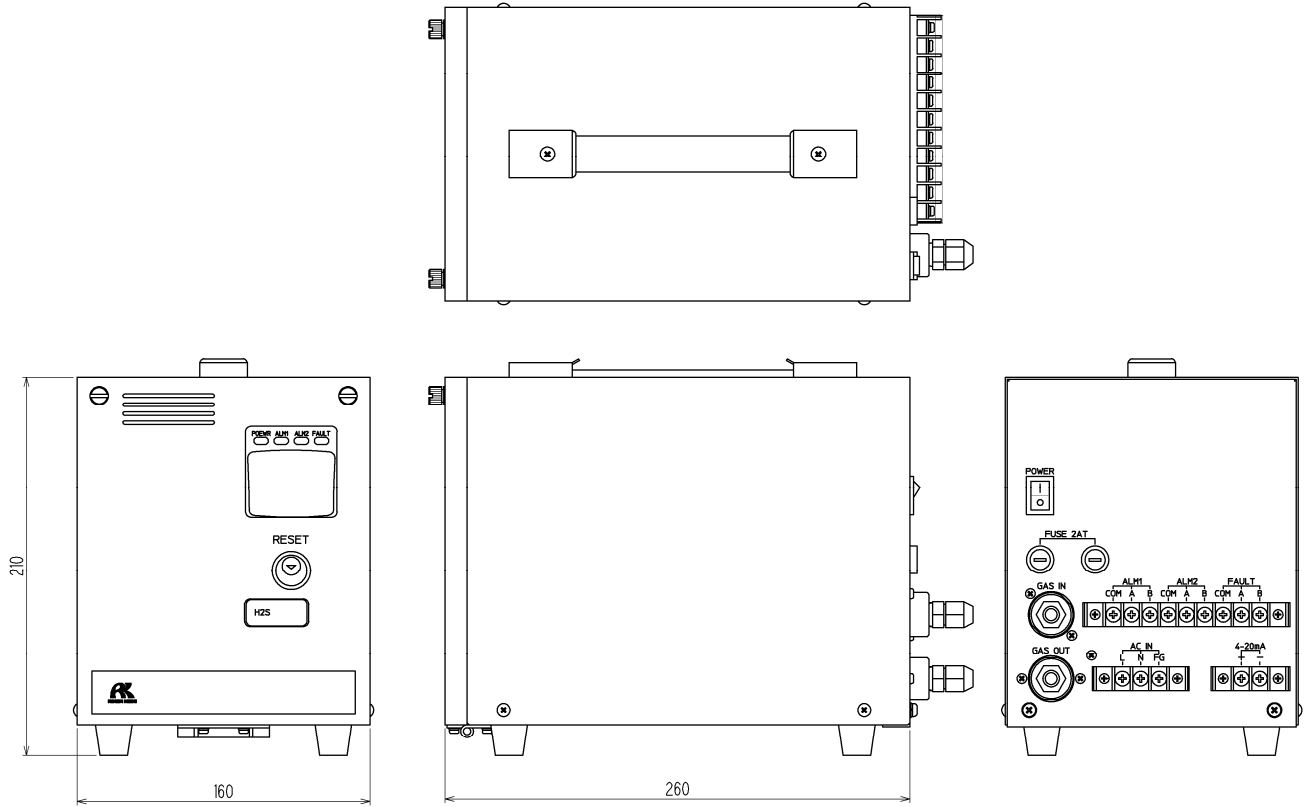
## GAS DETECTOR

### TP-70D (ESU) SPECIFICATION

Detection principle	Electrochemical type
Detectable gas※	Toxic gas
Gas concentration display	Character LCD (Digital and Bar-Meter Display)
Measuring range※	Depend on Detectable gas
Detection method	Pump suction type
Suction flow	0.5L/min±10%
Alarm preset point※	Depend on Detectable gas
Power indication	POWER lamp on(green)
Various indications	Gas name display/flow rate indicator/mode display
Output	Gas concentration signal/Gas alarm contact/Trouble alarm contact
Alarm accuracy (under an identical condition)	Within ±30%(to the alarm setpoint value)
Alarm-delay time (under an identical condition)	60 seconds or less (by providing the gas 1.6 times the alarm setpoint (excluding delay in the tube and in the communication))
Gas alarm type	Two-step alarm (H-HH)
Gas alarm indication	1st : ALM1 lamp blinks or lights up (red) · buzzer sound 2nd : ALM2 lamp blinks or lights up (red) · buzzer sound
Gas alarm action※	Fault alarm pattern or non latching (Auto-recover)
Gas alarm contact※	Each no-voltage contact 1C De-energized (energized at an alarm) or energized (de-energized at an alarm)
Trouble alarm · Self diagnosis	System abnormalities/sensor abnormalities/flow rate abnormalities
Trouble alarm indication	FAULT lamp on (yellow) / detail display / buzzer sounds
Trouble alarm action	Auto-recover
Trouble alarm contact※	No-voltage contact 1C De-energized (energized at an alarm) or energized (de-energized at an alarm)
Contact capacity	125VAC - 3A/30VDC - 2A (Resistant load)
Contact cable	Cable of VCTF, etc. (1.25sq) - max. 9-core
Transmission scheme	Analog transmission
Specification of transmission	4 - 20mA DC (no-insulation/load resistance under 300Ω)
Transmission cable	Shielded cable of CVVS, etc. (1.25sq) - 2-core
Various functions	White backlight/alarm delay/suppression/zero follower/sensitivity correction/flow control/calibration history/alarm trend history/event history
Power supply	100 - 240VAC ±10%
Power consumption	Approx. 7VA (max. 18VA)
Piping port	Rc1/4 (0. Dφ 6-1t half-union for Teflon tube <PP> supplied)
Initial clear	Approx. 25seconds
Operating temperature	0 - +40°C (at a constant condition. It may differ according to mounted sensor.)
Operating humidity	30 - 70%RH (non-condensing. It may differ according to mounted sensor.)
Structure	Tabletop type
Outer dimension	Approx. 160 (W) × 210 (H) × 260 (D) mm (projection portions excluded)
Weight	Approx. 4.3kg

※ Please specify your request when ordering.

**Outline Drawings**



**Terminal Drawings**

