

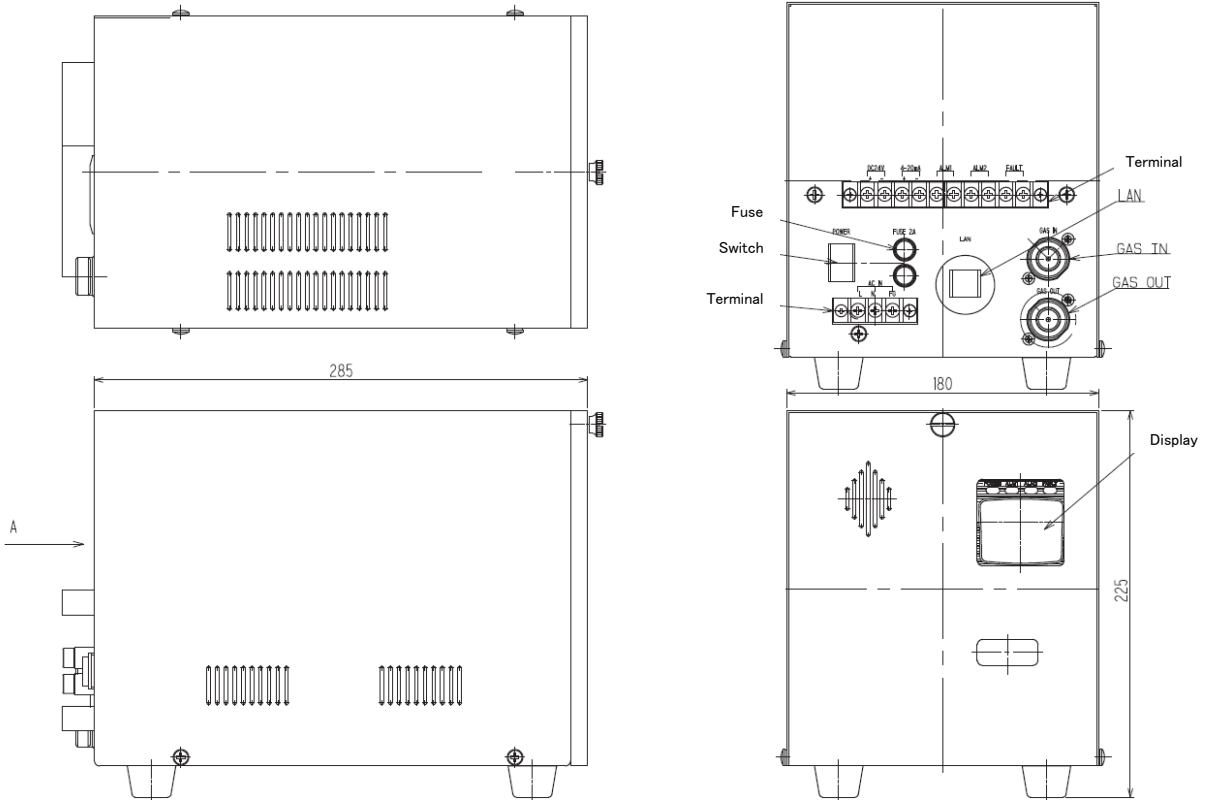
GAS DETECTOR **TP-70DG II (EA) SPECIFICATION**

Detection principle	Catalyser + Electrochemical type
Detectable gas※	C4F6/C5F8/COS
Gas concentration display	Character LCD (Digital and Bar-Meter Display)
Measuring range※	C4F6:0 - 5ppm C5F8:0 - 5ppm COS:0 - 15ppm
Detection method	Pump suction type・pyrolysis type
Suction flow	0.5L/min±10%
Alarm preset point※	C4F6:2ppm(1st)/4ppm(2nd) 【standard】 C5F8:2ppm(1st)/4ppm(2nd) 【standard】 COS:5ppm(1st)/10ppm(2nd) 【standard】
Power indication	POWER lamp on(green)
Various indications	Gas name display/flow rate indicator/mode display/Communication status display/pyrolyzer connection 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) 2nd : ALM2 lamp blinks or lights up(red)
Gas alarm action※	Fault alarm pattern or non latching(Auto-recover)
Gas alarm contact※	Each no-voltage contact each 1a or 1b(2 step independent) De-energized(energized at an alarm) or energized(de-energized at an alarm)
Trouble alarm・Selfdiagnosis	System abnormalities/sensor abnormalities/flow rate abnormalities/ pyrolyzer heater abnormalities
Trouble alarm indication	FAULT lamp on(yellow)/detail display
Trouble alarm action	Auto-recover
Trouble alarm contact※	No-voltage contact each 1a or 1b De-energized(energized at an alarm) or energized(de-energized at an alarm)
Contact capacity	125VAC - 0.25A/24VDC - 0.5A (Resistant load)
Contact cable	Cable of CVV, etc. (1.25sq) - max. 6-core
Transmission scheme	Analog transmission or digital transmission
Specification of transmission	Analog transmission:4 - 20mADC(no-insulation/load resistance under 300 Ω) Digital transmission:Ethernet
Transmission cable	Analog transmission:Shielded cable of CVVS, etc. (1.25sq) - 2-core Digital transmission:Ethernet cable(category 5 or more)
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	150VA or less
Piping port	Rc1/4(0. Dφ 6-1t half-union for Teflon tube<PP>supplied)
Initial clear	Approx. 25seconds
Operating temperature	20 - 40°C (non-rapidly-vary)
Operating humidity	40 - 70%RH(non-condensing)
Structure	Tabletop type
Outer dimension	Approx. 180(W) × 225(H) × 285(D)mm(projection portions excluded)
Weight	Approx. 6.0kg

※ Please specify your request when ordering.

If power supply by PoE is performed, main body inside cable connection is different.
Please specify your request when ordering.

Outline Drawings



Terminal Drawings

