

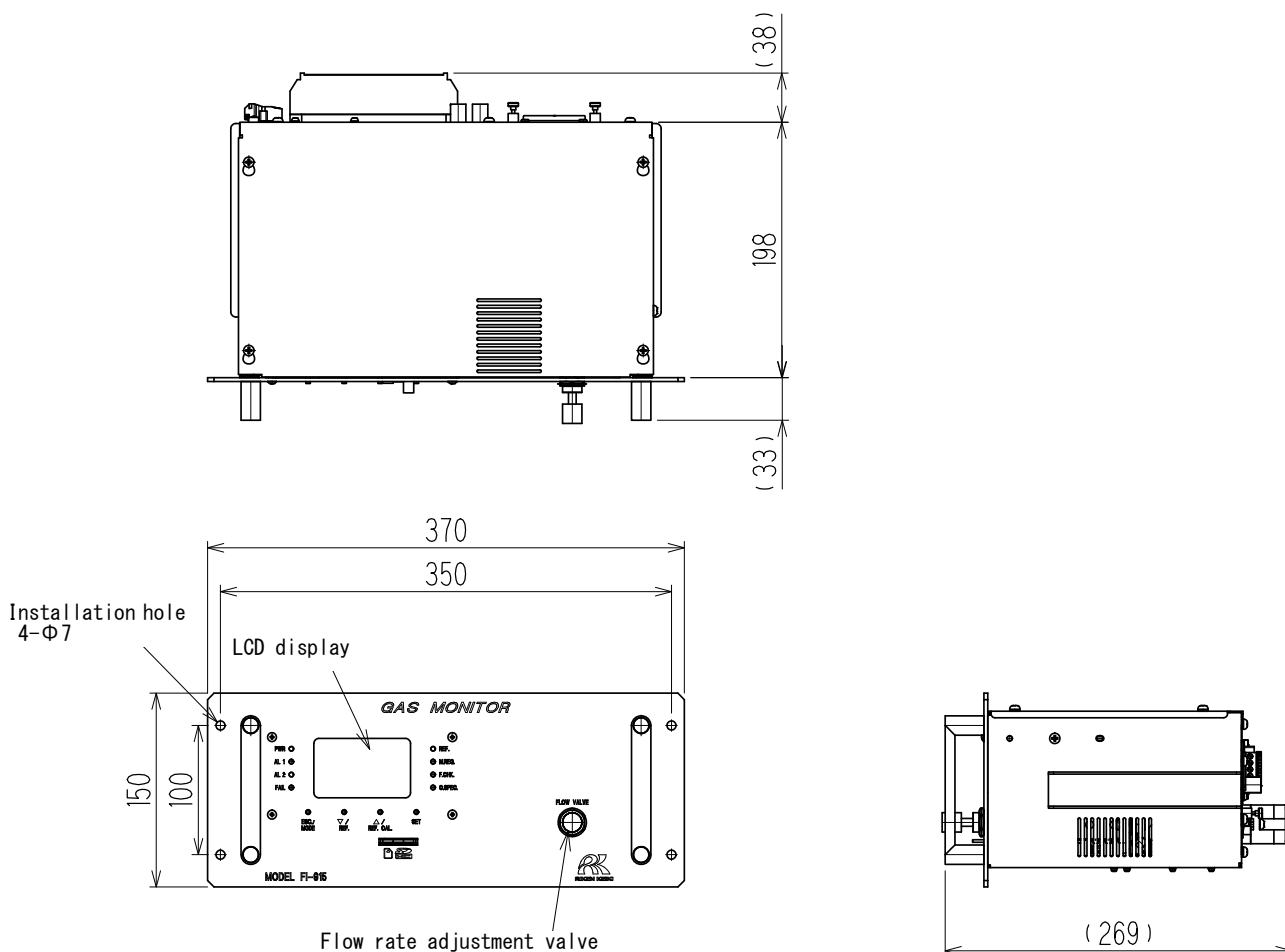
GAS MONITOR

FI-915 SPECIFICATION

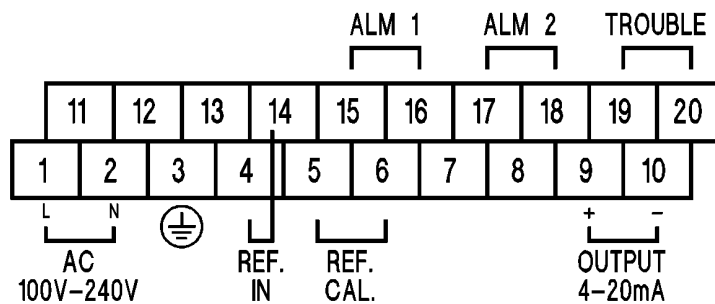
Model	FI-915
Measuring principle	Optical Interferometric Method
Measuring gas*	Solvent vapor in atmosphere
Concentration display	LCD digital display
Measuring range	0 - 100%LEL
Display resolution	1%LEL
Sampling method	Sample-drawing
Suction flow rate	1L/min or more(Open flow rate)
Setting flow rate for measuring gas	300±25mL/min
Accuracy of the reading (under the same conditions)	±3%LEL
Response time (under the same conditions)	90% response within 15seconds(excluding delay time in the tube)
Gas alarm type	Two-step alarm(H-HH)
Gas alarm display	1st:AL1 lamp on/2nd:AL2 lamp on
Gas alarm pattern	Non latching(auto-reset)
Gas alarm contact	No-voltage contact 1a or 1b De-energized(energized at an alarm) or energized(de-energized at an alarm)
Fault alarm/self-diagnosis	Low flow rate/low light volume/low contrast/abnormal pressure/ abnormal temperature
Contact capacity	125VAC, 1A/30VDC, 1A(Resistance load)
Contact cable	Equivalent to CVV1.25mm ²
Transmission system	Analog transmission system/Digital transmission system
Analog transmission specifications	4 - 20mA DC(Source current, load resistance under 300Ω, minimum resolution under 0.01mA)
Digital transmission specifications	RS-485 modbus output function(optional)
Transmission cable	Equivalent to CVVS1.25mm ²
Power supply cable	Equivalent to CVV1.25mm ²
Power supply	100 - 240VAC±10%, 50/60Hz
Power consumption	Max. 28VA (100VAC), Max. 38VA (240VAC)
Tube connecting port	Rc1/8
Operating temperature	-10 - +50°C(Non-rapidly-vary)
Operating humidities	Below 95%RH(Non-condensing)
Structure	Rack mounting type(Multi-stage installation possible)
Dimensions	Approx. 370 (W) × 150 (H) × 266 (D)mm
Weight	Approx. 6kg

* Gas condensed inside the gas monitor is not possible to be measured.

Outline Drawings



Terminal Drawings



1	100VAC±10%, 50/60Hz	11	(Unused)
2		12	
3	Grounding D type grounding	13	
4	Ref in*	14	Ref in*
5	Zero adjustment switch for remote control (Short-circuit will start the zero adjustment)	15	First alarm contact point (non-voltage contact) Contact capacity:240VAC, 1A/30VDC, 1A (Resistance load)
6		16	
7	(Unused)	17	Second alarm contact point (non-voltage contact) Contact capacity:240VAC, 1A/30VDC, 1A (Resistance load)
8		18	
9	4 - 20mA	19	Fault alarm contact (non-voltage contact) Contact capacity:240VAC, 1A/30VDC, 1A (Resistance load)
10		20	

*When 4 and 14 are short-circuited, the REF gas is drawn.