

Infrared Single Gas Monitor

Fixed installation, Sample drawing

RI-257

(for PFC, HCFC, HFC and IPA)



RI-2000W

(for N₂O)



Features (RI-257 & RI-2000W)

- Wall mounting design for easy installation
- Negligible interference from other gases
- Self-diagnostic functions
- 4~20mA linear outputs
- Two alarm levels, trouble alarm plus relay outputs
- Audible and visual alarms
- Automatic backlight during alarm
- Automatic zero correction function

Detection gas and range of RI-257

Target Gas	Range	Alarm preset point
1) PFC-14(*)	0-10000ppm (50ppm/digit)	3000ppm
2) PFC-116(*)	0-5000ppm (25ppm/digit)	2000ppm
3) PFC-C318(*)	0-5000ppm (25ppm/digit)	2000ppm
4) HFC-23	0-10000ppm (50ppm/digit)	3000ppm
5) HFC-32	0-10000ppm (50ppm/digit)	3000ppm
6) HFC-41	0-5.000vol% (0.025vol%/digit)	2.000vol%
7) HFC-134a(Vertrel XP)	0-5000ppm (25ppm/digit)	2000ppm
8) HCFC-225	0-5000ppm (25ppm/digit)	2000ppm
9) IPA(Iso-propyl alcohol)	0-10000ppm (50ppm/digit)	3000ppm

(*)PFC means Perfluoro compound gas

Specifications

Model	RI-257	RI-2000W (Wall mounting)
Detection principle	NDIR (Non-dispersive Infrared Ray Absorption) method	
Target gas and detection range	See detection gases and ranges	N ₂ O (Nitrous oxide) 0~200ppm
Display	16-digits LCD (with backlight)	
Alarm display	Gas alarm : Yellow WARNING light, Red ALARM light Trouble alarm : Flashing green light	
Alarm preset level	See detection gas and range	50ppm (WARNING), 100ppm (ALARM)
Alarm relays	Normally-open (standard) or normally-close (optional) contact for both WARNING/ALARM and trouble, rated 0.1mA~0.3A at 125VAC (Resistive load)	
Self-diagnostic function	Lamp trouble, sensor trouble, heater trouble, low flow, fan stop, system trouble	
Analog output	4~20mADC, linear, non-isolated sourcing signal, max loop load 300Ω	
Operating conditions	0~40°C, 30~90%RH (Non-condensing)	
Power requirement	100VAC, 117VAC or 220VAC±10%, 50/60Hz	100VAC or 220VAC±10%, 50/60Hz
Power consumption	Max. 50VA	Max. 400VA
Dimensions and weigh (Approx.)	180(W)x355(H)x97(D)mm, 3.8kg	350(W)x440(H)x160(D)mm, 7kg

Specifications subject to change without notice.