

RIKEN

Continuous monitoring for FC, HCFC, HFC and IPA

INFRARED SINGLE GAS MONITOR**MODEL RI-257****General**

The model RI-257 series are designed to measure the presence of either Fluoro compound (FC) gas, Hydrofluoro compound (HFC or HCFC) gas representing VERTREL XP (HFC-134a) or IPA in the specified range through the built-in continuous operation pump.

As they are based on NDIR (Non-Dispersive Infrared) method, the sample gas specified can be measured without interference from other gases.

Features

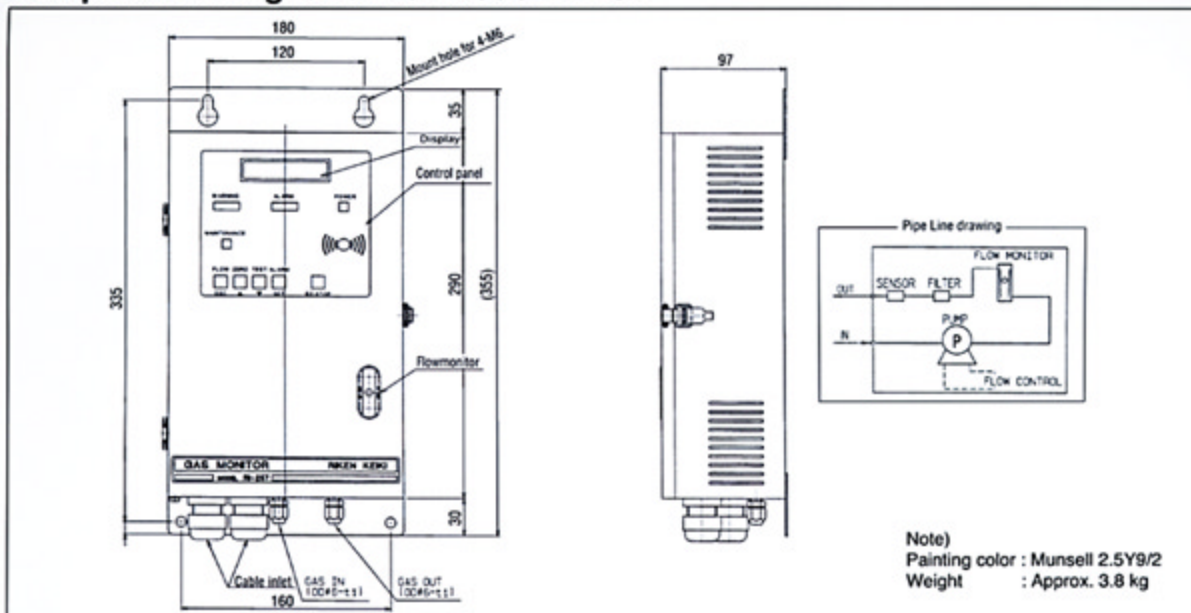
- Compact & light weight (Approx 3.8 kg)
- Easy to install
- Negligible interference from other gases
- Easy to read digital display

Applications

- Cleaning processes
- Cold-storage plants
- Drying rooms
- Refrigerators

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Component designation for Model RI-257



Specifications for Model RI-257

Model	RI-257
Detection principle	NDIR (Non-dispersive Infrared)
Measuring gas and range and alarm point	See the detection chart in the right.
Sampling method	Sample-drawing by built-in pump
Alarm point	Dual alarm (WARNING/ALARM) Run : Latched mode (non-latched after alarm check) Alarm lamp : Lamp display (Yellow/Red) Contact output : a contact (b contact option) Contact rating : AC125V 0.1mA-0.5A(Resistance load)
Repeatability	±3% of F.S
Alarm delay time	Within 30 seconds by supplying 1.6 times the density gas of alarm preset point.
External output	4-20mA (Current outputting type), Max 300 ohms (resistance load)
Warming up	60 min after turns on power (but measurement starts in 2 min after power on.)
Power source & Power consumption	Power : AC 100V, AC117V, or AC220V±10%, 50/60Hz, max 50VA
Ambient temp/humidity	0~+40°C, 30-90%RH, Non-condensing
Mounting method	Wall mounting
Dimensions	Approx. 180 (W) X355 (H) X97 (D) mm
Weight	Approx. 3.8 kg
Painting color	Munsell 2.5 Y 9/2

Specifications subject to change without notice.

Gases and ranges detection chart

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

※ When ordering, please specify one of those specified gases above.
 (*) FC means Perfluoro compound gas

Standard accessories

Fuse
 Dust filter
 Instruction manual
 Test certificate

Optional accessories

Gas sampling bag
 MC filter

● Distributor:



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