

# SINGLE-CHANNEL GAS MONITOR

## RM-6000 series

### MODEL

GP-6001	Combustible gases
SP-6001	Combustible gases
GH-6001	Toxic gases
EC-6002	Toxic gases
OX-6001	Oxygen
OX-6002	
RM-6002	Combustible gases Toxic gases Oxygen
RM-6003	Oxygen (4-20mA)



### FEATURE

- Compact and light weight
- Bar meter and Digital Multi-indication
- Simply fixturable
- Two alarm levels, trouble alarm
- Maintenance mode function
- RoHS Compliant
- Global standard

### APPLICATION

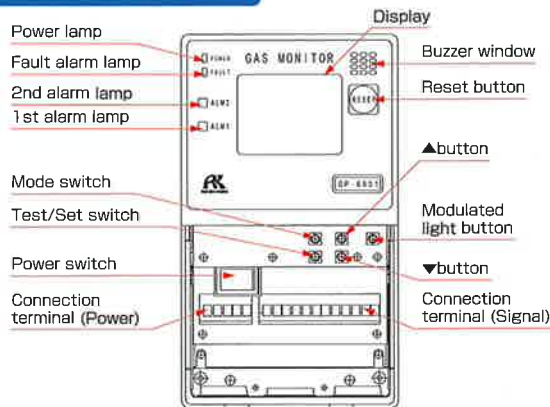
- LPG, LNG utilities
- Petro-refinery, Petrochemical plants
- Chemical plants
- Semi-conductor manufacturing plants
- Engineering, public works
- Power station
- Iron and steel works

## SPECIFICATION

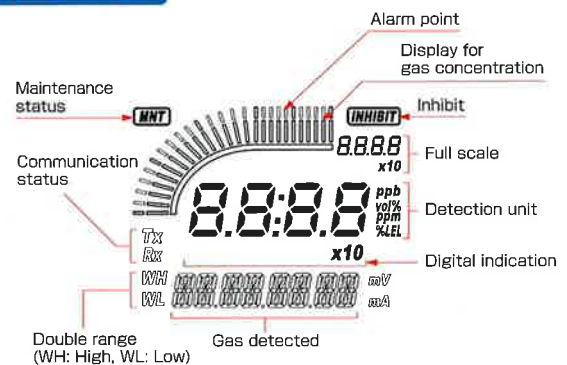
RM-6000 series	GP-6001 NC-6001(W)	SP-6001	GH-6001	EC-6002	OX-6001	OX-6002	RM-6002	RM-6003
<b>Detection gas</b>	Combustible	Combustible / Toxic		Toxic	Oxygen		Combustible / Toxic / Oxygen	
<b>Indication</b>	3-color LCD bar meter (52 dots)							
<b>Type of acceptable detector head</b>	Catalytic combustion New ceramic	Special catalytic/ semiconductor combination sensor	Semiconductor	Electrochemical cell	Galvanic cell		4-20mA outputs	
							2-wire type	3-wire type
<b>Acceptable input signal</b>	Direct sensor signal			4-20mA output	Direct sensor signal	4-20mA output		
<b>Applicable cable</b>	CVV-4C		CVVS-3C	CVVS-2C			CVVS-3C	
<b>Max distance</b>	Max 1.0km		Max 1.0km	Max 2.0km	Max 600m	Max 2.0km		
<b>Output signal</b>	Output of electric power transmission (non-isolated) 4-20mADC, max loop load 300 ohm							
<b>Alarm indication</b>	Flashing or lighting lamp: Red(AL1), Red (AL2), Latching or non-latching, Locking mode							
<b>Trouble alarm</b>	Orange lamp flashing (FAULT), Non-latching							
<b>Alarm relays</b>	Normally energized or de-energized, Normally-open or close contact Rated 1A at 125VAC, 1A at 30VDC (resistive)							
<b>Operation condition</b>	-10 – 50 °C, below 95%RH (non-condensing)							
<b>Power requirement</b>	AC type: 100 – 240 VAC +/-10% DC type: 24VDC +/-10%							
<b>Power consumption</b>	Max 15VA MAX 8.5W		Max 11.5VA MAX 6W	Max 7.5VA MAX 3.5W	Max 6.5VA MAX 3W	Max 7.5VA MAX 3.5W		
<b>Dimensions &amp; weight</b>	Approx. 110 (W) x 190 (H) x 54 (D) mm, Wall mounting type: 580g / Panel mounting type: 650g							
<b>Mounting</b>	Wall mounting type / Panel mounting type							

Specification subject to change without notice.

## COMPONENT DESIGNATIONS

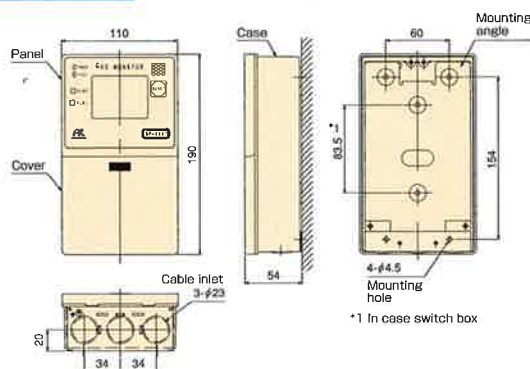


## INDICATION

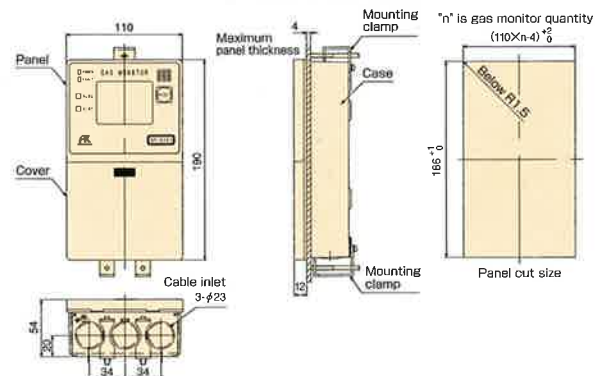


## OUTER DIMENSIONS

[Wall mounting]



[Panel mounting]



\*1 In case switch box



RIKEN KEIKI

# RIKEN GAS DETECTOR HEAD

GD-A80 series



【Combustible gases】

GD-A80

【Toxic gases】

GD-A80V

Connect with indicator unit



RM-5000 series



RM-6000 series

## Features

- Explosion class Exd IIC T4 Gb
- Sample draw, aspirating type available
- Small, rugged

## Specifications

Model	GD-A80 ※1,2	GD-A80V ※1,2	GD-A80S ※1,2	GD-A80N ※1,2	GD-A80-70 ※1
Detection principle	Catalytic combustion/New ceramic type	Semi-conductor type	Hot wire semi-conductor type	Thermal conductivity type	Catalytic combustion type
Gas to be detected	Combustible gases	Combustible/toxic gases	Combustible/toxic gases	Combustible/inert gases	Combustible gases
Detection range	Diffusion type				
Transmission cable	CVV 1.25mm <sup>2</sup> or 2mm <sup>2</sup> 4-core	CVVS • 1.25mm <sup>2</sup> or 2mm <sup>2</sup> •3-core	CVVS 1.25mm <sup>2</sup> or 2mm <sup>2</sup> 4-core		Heat-resistant wire 1.25mm <sup>2</sup> or 2mm <sup>2</sup> 4-core
Transmission distance	Depends on indicator				
Power supply	Supply from indicator				
Operating temperature	-20 - +53°C(at a constant condition)				-40 - +70°C (at a constant condition)
Operating humidity	Below 95%RH (Non-condensing)				
Structure	Wall mounting type				
External dimensions/Weight	Approx. 78 (W) x 154 (H) x 105 (D) mm (projection portions excluded) Approx. 1.0kg				
Explosion-proof	Flame-proof enclosures <span style="border: 1px solid black; padding: 2px;">ATEX: II 1G Ex d IIC T4 Gb IECEX: Ex d IIC T4 Gb</span>				
Ingress proof rating	IP65				

\*1. Sample drawing type available (external pump unit excluded)

\*2. Aspirator type available

### Standard accessories

- Fix bracket
- Hex driver (2mm)
- Hex driver (4mm)

### Optional accessories

- Drip-proof cover
- Calibration cap
- Silicon removal filter: SI-5
- Charcoal filter: CF-8394





# WolfLabs

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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