C2E-0240

RIKEN

SEMICONDUCTOR INDUSTRY AND LABORATORY USE

SMALL & COMPACT DESIGN

GAS DETECTOR HEAD FOR SEMICONDUCTOR GASES

MODEL GD-K7DII

(Sample-drawing type)

- Designed for easy access of pump and sensor
- Pop out replacement in 60 seconds with no tools required.
- Long life sensor
- Ultra-small design requires minimal installation space

ISO 9001 KHK ISO 9000 95QR・007

ISO 14001 KHK ISO 14000 97ER・005

RIKEN FINE RIKEN KEIKI

COMPACT, ADVANCED AND FLEXIBLE TECHNOLOGY AVAILABLE TODAY

1 Long Life Sensor.
Creating the industry's lowest cost of ownership for a gas monitoring system.

2 High Density Engineering.
Compact sample-draw desigh requires minimal mounting space. Front removable cover allows for installation and ease of service in tight spaces.

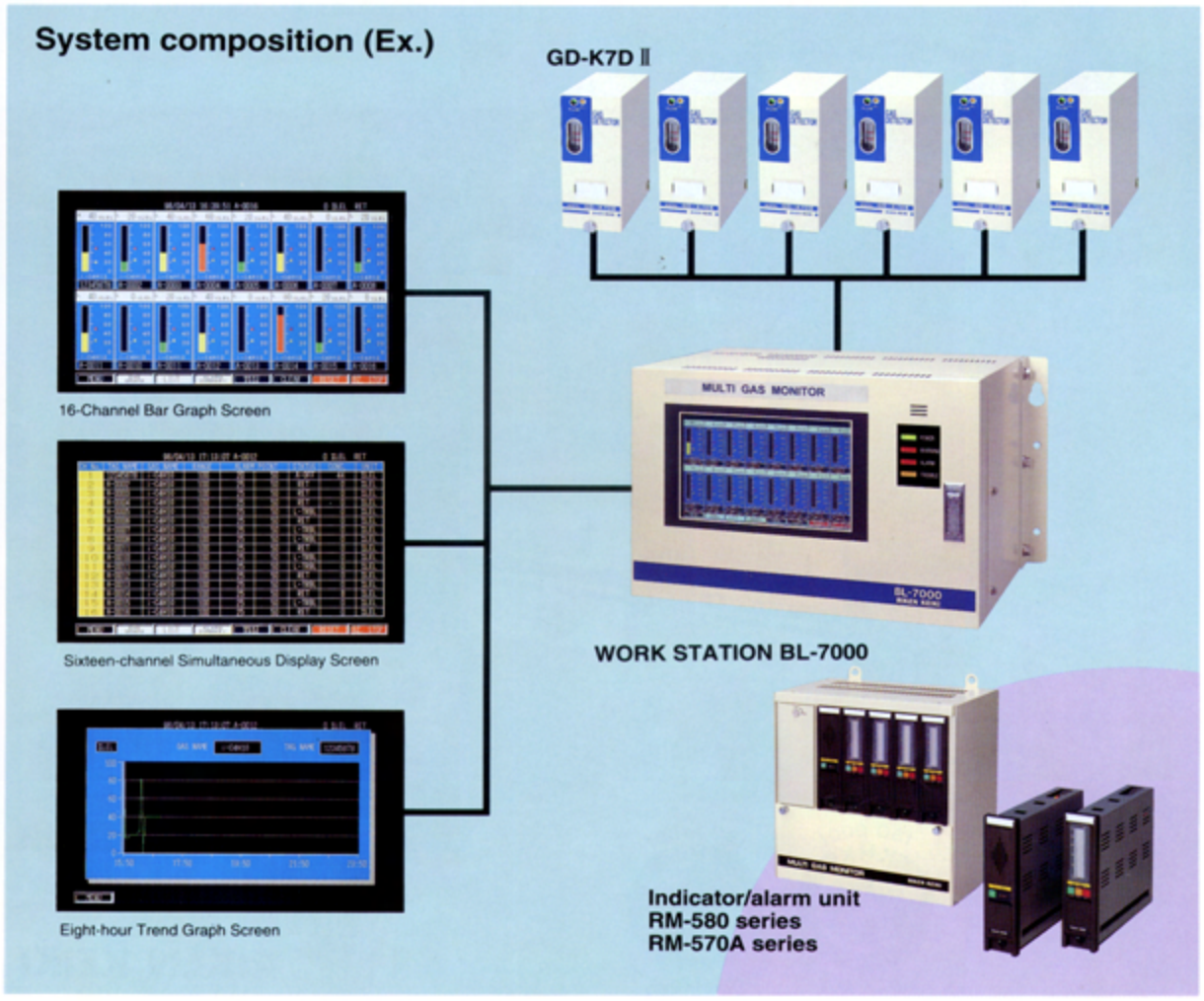
3 Wide Sensor Selection
With the world`s widest selection of sensors, Riken can configure systems to address the most demanding gas detection applications. Robust sensor design and rigorous three-month quality control testing assures reliable, stable, long-life operation.

4 Multi-Functional Gas Detection
Low flow alarms, highly reliable diaphragm pumps, and easy calibration with removable panel allow for efficient operation.

5 Easy Maintenance
An easy-access component design allows for the gas detection industry`s fastest sensor and pump replacement-requiring no tools.

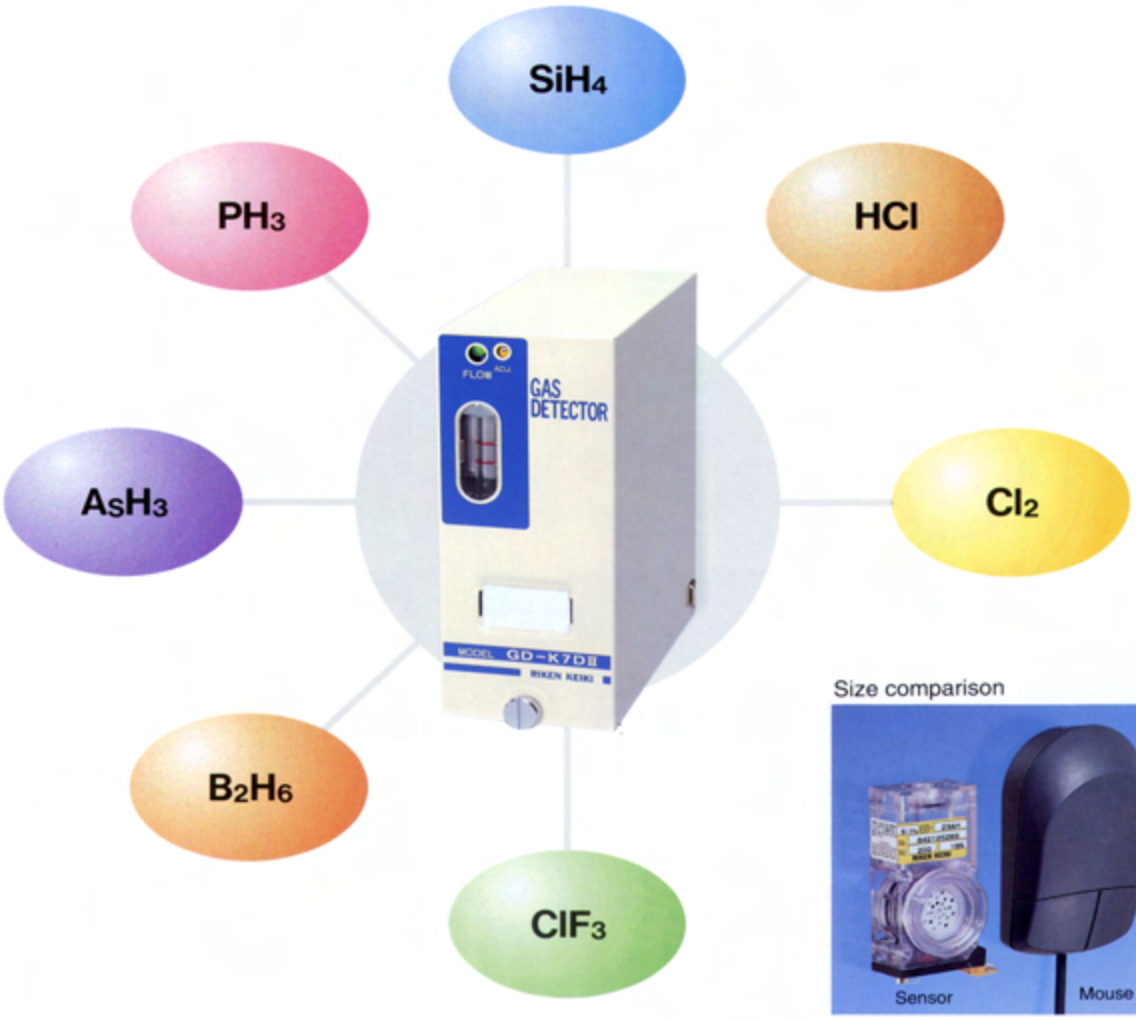
6 Quick Response
Compact molded gas flow path provides super fast response.

System composition (Ex.)

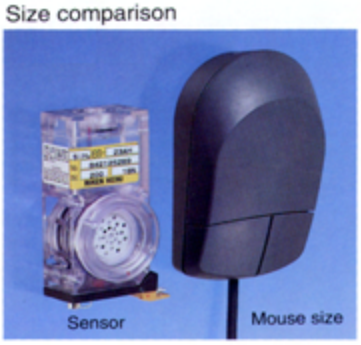


COMPACT GAS DETECTOR MODEL GD-K7DII

Wide Sensor Selection Solves a Variety of Special Toxic Gas Monitoring Applications.



Size comparison

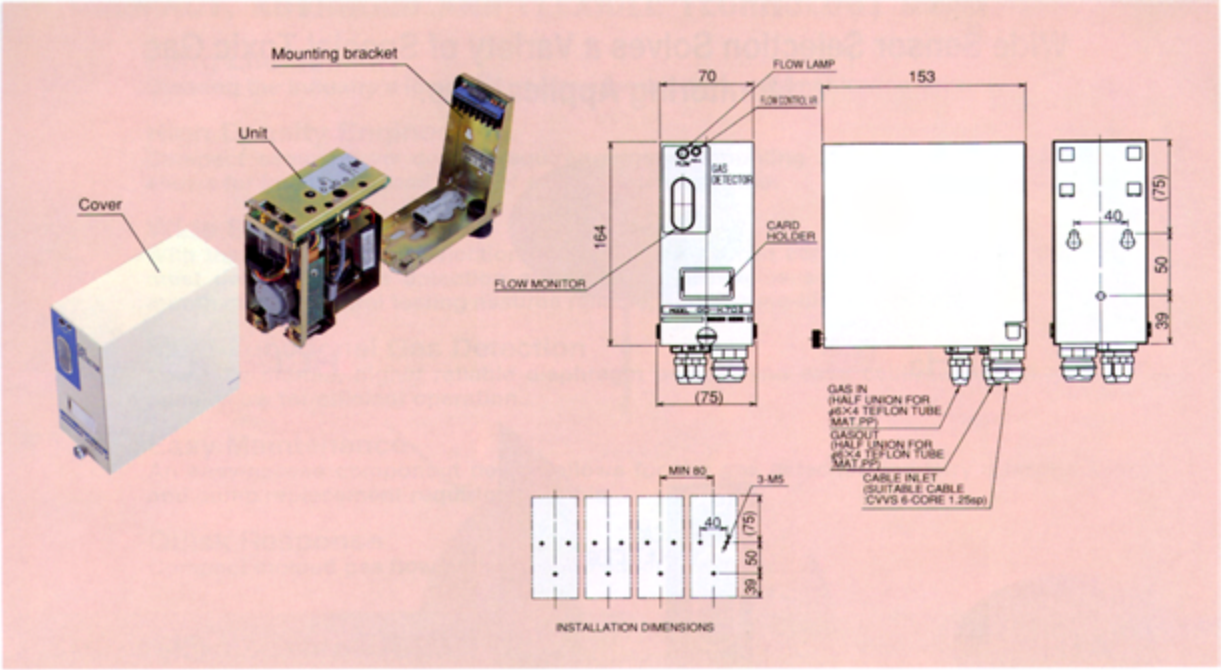


SENSOR AVAILABLE

Gas	Range (ppm)	Alarm point (ppm)	Sensor model	Gas	Range (ppm)	Alarm point (ppm)	Sensor model
Arsine (AsH_3)	0~0.2	0.05	ES-23AHS	Hydrogen bromide (HBr)	0~9	3	ES-23E
Ammonia (NH_3)	0~75	25	ES-23R	Bromine (Br_2)	0~1	0.2	ES-K233
Hydrogen Chloride (HCl)	0~15	5	ES-K233	Diborane (B_2H_6)	0~0.3	0.1	ES-23AY
Chlorine (Cl_2)	0~1.5	0.5	ES-K233	Nitrogen Dioxide (NO_2)	0~15	5	ES-23AH
Ozone (O_3)	0~0.6	0.1	ES-K239	Hydrogen Fluoride (HF)	0~9	3	ES-K233
Boron Trichloride (BCl_3)	0~15	5	ES-K233	Fluorine (F_2)	0~30~0.6	1	ES-K233
Chlorine Trifluoride (ClF_3)	0~0.6	0.1	ES-K233	Phosphine (PH_3)	0~1	0.3	ES-23AH
Silane (SiH_4)	0~15	5	ES-23AH,ES-23DH	Hydrogen Iodine (HI)	0~5	2	ES-23EHI
Dichlorosilane (SiH_2Cl_2)	0~15	5	ES-K233	Iodine (I_2)	0~1	0.3	ES-K233
Disilane (Si_2H_6)	0~15	5	ES-23AH	Hydrogen Sulfide (H_2S)	0~1	0.3	ES-23AH

COMPACT GAS DETECTOR — MODEL GD-K7DII

COMPONENTS AND OUTER DIMENSIONS



Specifications

Detection method	Electrochemical cell
Sampling method	Sample-drawing pump
Alarm delay	※Less than 30 seconds (Time for response to reach TLV value when exposed to sample 1.6 times TLV value)
Sample flow rate	0.5L/min
Power supply	AC 117V±10%、 50/60Hz 5VA / DC24V±10%
Dimensions	164 (H) ×70 (W) ×153 (D) mm
Weight	Approx 1.8kg/4.0 lbs.
Color	Munsell 2.5 Y9/2, (beige)
Standard accessories	Filter

Specifications subject to change without notice.

RIKEN FINE

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