

# GAS DETECTOR HEAD FOR SEMICONDUCTOR GASES

Gas Detection for Life

Model GD-K7DII



## Features

- Built-in sampling pump
- Quick installation wall brackets
- Easy sensor and pump removal
- Front removal cover
- Built-in flow indicator & low flow alarm
- Quick response sensors
- Over 30 sensors to choose from
- Built-in battery for bias of sensors
- Optional NEMA 4X housing available
- Complete sensor and pump in one housing

## Applications

- Semiconductor
- Chemical Processing
- Laboratory
- Manufacturing

Riken Model GD-K7DII is a compact sample draw unit that requires minimal mounting space. The front removable cover allows for easy installation and servicing in tight spaces. The GD-K7DII have a wide sensor selection to address the most demanding gas detection applications. Robust sensor design and rigorous three-monthly quality control testing assures reliable, stable and long-life operation.

Low flow alarm, highly reliable diaphragm pumps and easy calibration with removable panel allow for efficient operation. An easy access component design allows for the gas detection industry's fastest sensor and pump replacement. This is done without the need of tools.

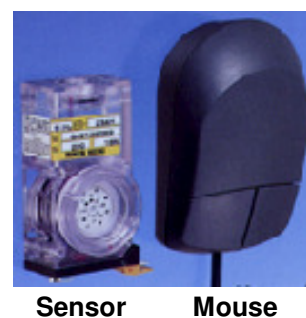
### Technical Specifications:

<b>Detection method</b>	Electrochemical cell	<b>Operating Conditions</b>	0 – 40°C, 30 – 85% RH
<b>Sampling method</b>	Sample draw	<b>Output</b>	4-20mA
<b>Sample flow rate</b>	0.5L/min	<b>Self diagnostic function</b>	Low flow relay contact
<b>Supply Voltage</b>	24 Volts DC or 110 Volts AC ± 10%	<b>Dimensions in mm</b>	164 (H) x 70 (W) x 153 (D)

### Available sensors:

<b>Ammonia (NH<sub>3</sub>)</b>	0 - 75.0 ppm	<b>Hydrogen Chloride (HCl)</b>	0 - 15.0 ppm
<b>Arsine (AsH<sub>3</sub>)</b>	0 - 0.20 ppm	<b>Hydrogen Fluoride (HF)</b>	0 - 9.0 ppm
<b>Boron Trichloride (BCl<sub>3</sub>)</b>	0 - 15.0 ppm	<b>Hydrogen Sulfide (H<sub>2</sub>S)</b>	0 -100.0 ppm
<b>Carbon Monoxide (CO)</b>	0 - 300 ppm	<b>Nitric Oxide (NO)</b>	0 -100.0 ppm
<b>Chlorine (Cl<sub>2</sub>)</b>	0 - 3.0 ppm	<b>Nitrogen Dioxide (NO<sub>2</sub>)</b>	0 - 15.0 ppm
<b>Chlorine Dioxide (ClO<sub>2</sub>)</b>	0 - 1.00 ppm	<b>Ozone (O<sub>3</sub>)</b>	0 - 1.0 ppm
<b>Chlorine Trifluoride (ClF<sub>3</sub>)</b>	0 - 1.00 ppm	<b>Phosphine (PH<sub>3</sub>)</b>	0 - 1.0 ppm
<b>Diborane (B<sub>2</sub>H<sub>6</sub>)</b>	0 - 0.3 ppm	<b>Silane (SiH<sub>4</sub>)</b>	0 - 15.0 ppm
<b>Fluorine (F<sub>2</sub>)</b>	0 - 6.0 ppm	<b>Sulfur Dioxide (SO<sub>2</sub>)</b>	0 - 30.0 ppm

### Size Comparison



Sensor Mouse

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