



Features

- Over 30 toxic sensors to choose from
- Built-in sampling pump
- Electrochemical sensors for most semiconductor gases
- 24VDC or 115VAC pump operation
- Built-in battery for bias of sensors
- Quick installation wall brackets
- Easy replacement of pump and sensor (no tools required)
- Narrow wall mount housing design
- Front removal cover
- Optional NEMA 4X housing available

Applications

- Semiconductor
- Chemical Processing
- Laboratory
- Manufacturing
- HVAC

The GD-K7D2 is a complete sample drawing gas detector, providing long lasting monitoring for a wide range of toxic gases. Designed for easy maintenance access, the sensor and pump can be changed quickly and with no tools required. The GD-K7D2 enjoys the best reputation in the industry for the quality and longevity of this model and its sensors.

The heart of the GD-K7D2 is the electrochemical sensor. These field proven sensors are the best in the industry. Each GD-K7D2 sensor is aged and tested for up to 3 months, resulting in 3 to 5 years or more. The sensors are quick to respond, highly accurate and selective to the gas being monitored. The long life pump will provide many years of trouble free service, and allows the unit to be monitored up to 60 feet from the sampling point. A linear 4-20mA output is provided for signal transfer to a reliable RKI Beacon Series Controller, or to a customer supplied PLC or DCS system. An optional NEMA 4x enclosure is available for harsh environments.

GD-K7D2 Series

Model	GD-K7D2
Detection principle	Electrochemical cell
Detection method	Sample drawing type
Signal transmission	Analog transmission (4-20 mA)
Alarm response time	Approximately 10 - 15 seconds when exposed to gas concentration of 1.6 times alarm level for most gases (Same as T60)
Self diagnostic function	Trouble and low flow
Operation temp. & humidity	0 ~ 40°C, 30 ~ 85% RH
Applicable cable	Shielded cable 3C, 1.25 sq (18 gauge) (DC version), consult local requirements for AC pump
Enclosure	Wall mounting
Power	24 VDC +/- 10%, Approx. 10W / 115VAC +/- 10%, 50/60hz (AC pump power only, 24VDC required for signal)
Dimensions	2.8" (W) x 6.7" (H) x 6.0" (D), approximately 4.4 lbs 70 mm (W) x 170 mm (H) x 153 mm (D), approximately 2 kg

Partial List Of Detectable Gases

Many other gases or ranges available. Contact RKI for gases or ranges not listed

Ammonia (NH3)	0 - 75.0 ppm
Arsine (AsH3)	0 - 0.20 ppm (optional 0-1.00 ppm)
Chlorine (Cl2)	0 - 3.00 ppm
Chlorine Dioxide (ClO2)	0 - 1.00 ppm
Chlorine Trifluoride (ClF3)	0 - 1.00 ppm
Diborane (B2H6)	0 - 0.30 ppm
Fluorine (F2)	0 - 3.00 ppm
Germane (GeH4)	0 - 0.60 ppm
Hydrogen Bromide (HBr)	0 - 9.00 ppm
Hydrogen Cyanide (HCN)	0 - 30.0 ppm
Hydrogen Chloride (HCl)	0 - 15.0 ppm
Hydrogen Fluoride (HF)	0 - 9.00 ppm
Hydrogen Sulfide (H2S)	0 - 30.0 ppm (optional 0-1.00 ppm)
Nitric Oxide (NO)	0 - 100 ppm
Nitrogen Dioxide (NO2)	0 - 15.0 ppm
Ozone (O3)	0 - 0.60 ppm
Phosphine (PH3)	0 - 1.00 ppm
Silane (SiH4)	0 - 15.0 ppm
Sulfur Dioxide (SO2)	0 - 6.00 ppm

* Specifications subject to change without notice.



A9812



ISO 9001

Authorized Distributor:

Toll Free: (800) 754-5165 • Phone: (510) 441-5656
Fax: (510) 441-5650 • www.rkiinstruments.com