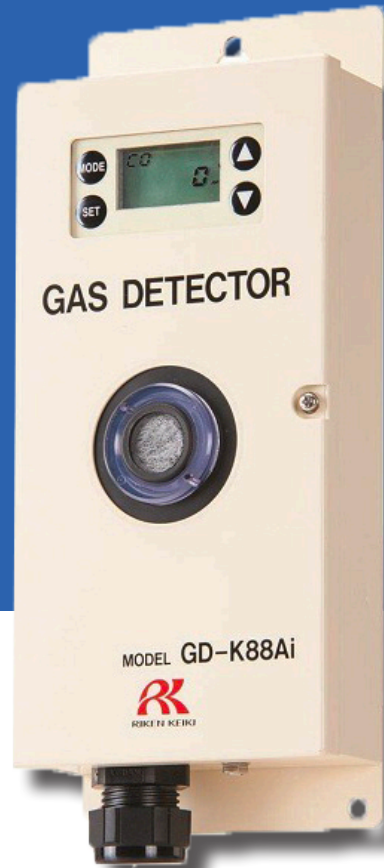


GD-K88Ai

Toxic Diffusion Transmitter/ Transmission

- Diffusion style head
- Digital readout of gas name and concentration
- External control buttons for easy maintenance
- Quick response sensors
- Many toxic sensors to choose from
- 3 to 5 year typical sensor life

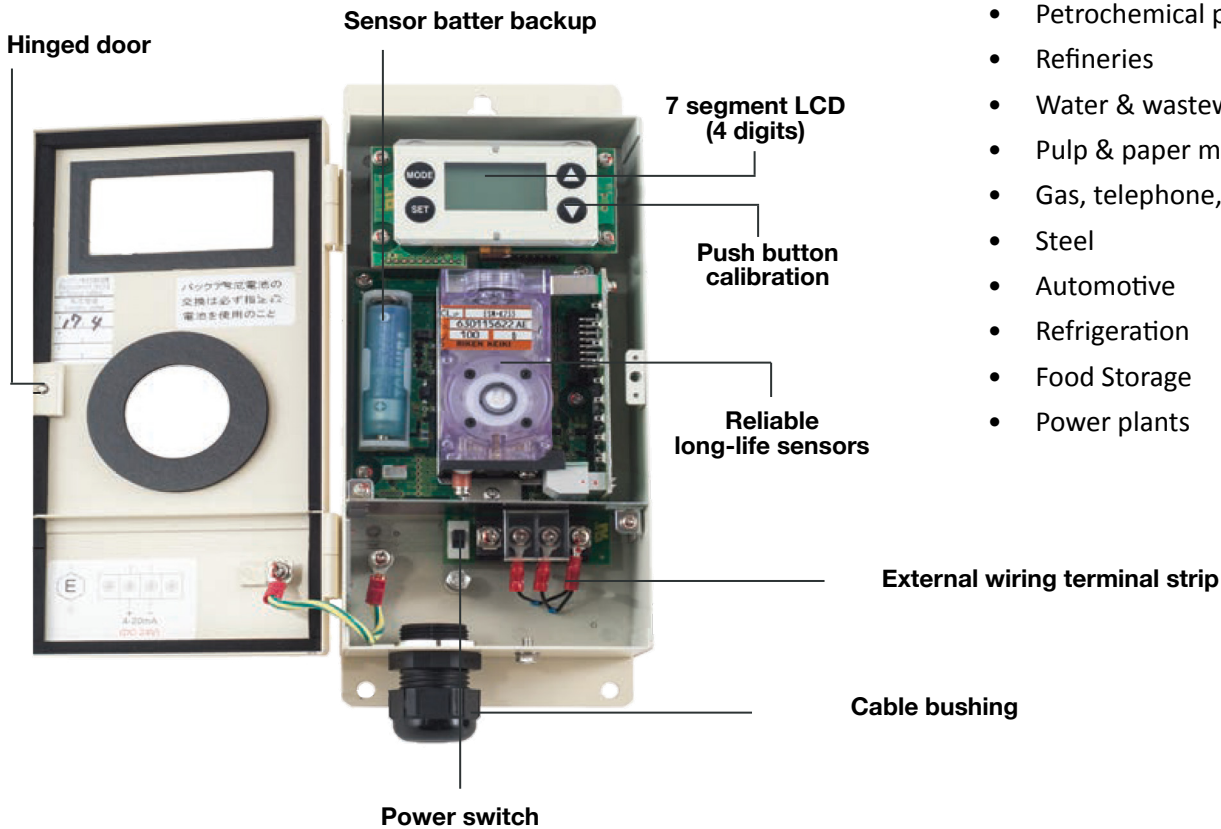


OVERVIEW

The GD-K88Ai is a diffusion style toxic gas detection transmitter ideally suited to meet a variety of toxic gas detection needs. You can choose from a wide range of electrochemical toxic gas sensors to install in this model.

APPLICATIONS

- Semiconductor manufacturing
- Petrochemical plants
- Refineries
- Water & wastewater treatment plants
- Pulp & paper mills
- Gas, telephone, & electric utilities
- Steel
- Automotive
- Refrigeration
- Food Storage
- Power plants



* Specifications subject to change without notice.



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Information

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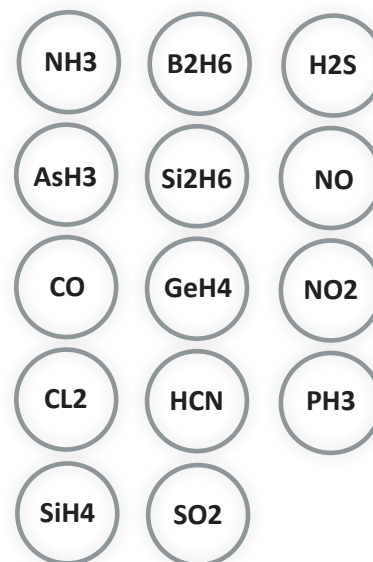
sales@controlequipment.com.au

www.controlequipment.com.au

Model	GD-K88Ai
Display	7-segment LCD (4 digits) for gas name and concentration
Transmission Method	2-wire analog transmission
Transmission Specifications	Analog transmission scheme: 4 - 20 mA DC (load resistance: 300 Ω or less) Digital transmission scheme:
Power Supply	15 - 27 VDC
Recommended Cable	Shielded cable of 16 AWG wires with shield
Transmission Distance	Up to 0.5 miles (up to 600 m between the detector head and I.S. Barrier)
Operating Temperature	-20 - 40°C (-4 -104 °F)
Operating Humidity	30 - 70%RH (Non-condensing)
Accuracy	+ / - 10% of reading or + / -5% of full scale (whichever is greater)
Structure	Box type/Wall mounted type
External Dimensions	Approx. 3.9 in (W) x 9.5 in (H) x 1.9 in (D) (projection portions excluded)
Weight	2 lb.
Warranty	1 year

PARTIAL LIST OF DETECTABLE GASES

Gas	Range
Ammonia (NH ₃)	0 - 75.0 ppm
Arsine (AsH ₃)	0 - 0.20 ppm
Carbon Monoxide (CO)	0 - 150 ppm
Chlorine (Cl ₂)	0 - 3.00 ppm
Diborane (B ₂ H ₆)	0 - 0.30 ppm
Disilane (Si ₂ H ₆)	0 - 15.0 ppm
Germane (GeH ₄)	0 - 0.60 ppm
Hydrogen Cyanide (HCN)	0 - 30.0 ppm
Hydrogen Sulfide (H ₂ S)	0 - 30.0 ppm (optional 0 - 1.00 ppm)
Nitric Oxide (NO)	0 - 100.0 ppm
Nitrogen Dioxide (NO ₂)	0 - 15.0 ppm
Phosphine (PH ₃)	0 - 1.00 ppm
Silane (SiH ₄)	0 - 15.0 ppm
Sulfur Dioxide (SO ₂)	0 - 6.00 ppm



Other gases or ranges available. Contact Control Equipment if not listed.

The GD-K88Ai includes easy to read LCD display and push button controls for calibration. The low profile design is only 1.9 inches thick and is easy to install. The hinged housing makes it easy to maintain. This transmitter can be installed with any Control Equipment controller, or integrated to existing PLC or DCS system via 4-20mA output (24VDC two-wire, loop powered).

At the heart of any gas detector is the sensor. The sensors for the GD-K88Ai are aged and tested over a one to three month period, typically resulting in a three to five year life span, providing a lower cost of ownership for your gas detection system. These fast-responding sensors are robust electrochemical type that feature higher sensitivity and selectivity.