



GD700

Industrial Fixed Detector

Product overview

GD700 series is a built-in pump-suction multi gas detector, which can detect 1-6 kinds of gases at the same time, continuously monitor the concentration of various gases online for 24 hours. Use a 2.4-inch high-definition color screen to display the on-site concentration in real time, and output 4-20mA, RS485 Standard signal, transmit data remotely. GD700 series is with advanced circuit design, mature kernel algorithm processing, obtained a number of software work patents and appearance patents. GD700 series can detect gas concentration in pipelines, confined spaces, and atmospheric environments, and can also detect gas leakage. The instrument has a built-in constant flow and large suction pump, which is accurate in detection, and has a faster and more sensitive response than diffusion models. When the target detected gas is lighter than air, no need to install at high place, which can get the detection results quickly and safely.



GD700
The world's first built-in industrial fixed detector

Specialized in Gas Detection For 16 Years

Product Advantages

With internal suction pump, fast response

With a built-in constant flow and large suction pump, which is accurate in detection, and has a faster and more sensitive response than diffusion models.

Can detect multiple gases, multiple numerical display

Up to 6 kinds of gases can be detected at the same time. In complex and multi-gas environments, multiple installations can be reduced, saving time and effort.

2.4-inch industrial-grade high-definition color screen with a resolution of 320*240 and a wide viewing angle of 120 degrees.

Supports ppm, mg/m³, μmol/mol display units. Units can be switched arbitrarily, and the concentration value is automatically converted by the device.

Can support wireless transmission (optional)

With optional wireless module, data can be uploaded to the cloud platform, environmental protection bureau or other platforms, providing SMS reminder function, the transmission signal is not limited by distance, and can be viewed in real time on mobile phones and computers.

With strong anti-interference, data is reliable

Can resist strong magnetic interference. Data is guaranteed to be stable and reliable in areas with strong magnetic products or densely populated areas such as tunnels, mines and confined spaces.

Powerful function, multiple transmission signals and output

With full software automatic verification function and zero calibration function, making gas monitoring more accurate and more reliable.

Standard 4-20mA current signal, RS485 digital signal, 1 set of relay signal output, optional 2 sets of relay signal.

Standard infrared remote control, which can remotely control the detector and modify the detector settings.

With sound and light alarm function, there is sound and light alarm when reaching the alarm point.

For the harsh environment with high temperature, high humidity and high dust, a pretreatment system can be selected to cool down, dehumidify and remove dust to protect the service life of the detector.



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industrial fixed detector

Application



▲ Petrochemical & Chemical Industry



▲ Municipal Engineering & Utilities



▲ Agricultural & Environmental Protection



▲ Electronic



▲ Food & Pharmaceutical Industry



▲ Other Industries

Accessories & Configuration list

Standard accessories

- 1 piece of gas detector
- Infrared Ray controller
- Instruction manual
- Qualification certificate
- Warranty card

GD700 industrial fixed detector

Infrared ray controller



Optional accessories

- Dry filter device
- High temperature probe
- Pretreatment system Control panel
- Power Adapter
- Switching power supply, etc.

Technical Specifications

GD700

Detected gas:	Oxygen, carbon dioxide, combustible gas, TVOC, hydrogen cyanide, arsine and other toxic and harmful gases
Detection principle:	Electrochemical principle, infrared principle, catalytic combustion principle, PID photoion principle (depending on the specific gas measured and the selected sensor)
Measure range:	Wide range optional (depending on the specific gas measured and the selected sensor may be)
Resolution:	Related to the selected sensor and range
Accuracy:	≤±3%F.S. (higher precision can be customized)
Response time:	≤30 seconds (T90)
Pump flow rate:	0.35-0.5 L/Min
Display:	2.4-inch color display, resolution 320*240
Display content:	gas molecular formula, concentration, unit, pump status, etc.
Concentration unit:	ppm, mg/m ³ , μmol/mol, etc. can be switched and displayed with one key, and the concentration value is automatically converted by the system
Alarm mode:	buzzer, alarm status prompt on the display screen, high and low alarm values can be set by customer
Signal output:	4-20mA, RS485, 1 set of relay output; 1-5VDC(optional), 2 sets of relay output(optional)
Communication and data download:	With PC software, history data can be downloaded, stored, printed, and analyzed in computer (optional)
Wireless output(optional):	optional wireless module, upload data to cloud platform or environmental protection bureau, transmission signal is not limited by distance; SMS reminder function (optional)
Network frequency:	2.4G high frequency
Installation method:	wall-mounted, pipeline, flow-through (optional)
Power supply:	12-24V DC
Language:	Chinese/ English (More languages can be customized)
Humidity:	0~95%RH (non-condensing) (if the humidity is too high, a filter device can be selected)
Temperature:	-20℃~+50℃ (high temperature probe can be selected if the temperature is too high)
Explosion proof grade:	Ex d IIC T6 Gb
Protection Level:	IP65
Weight:	3.4kg (3.8kg with alarm light)

Project Cases



◀ GD700

Used in Large oil refinery, oil refinery and metallurgical plant, etc

▼ GD700

Applied in sewage disposal plant, storage logistics and warehouse



GD700

Application in mines, Production workshop, site, etc



GD700

Used in Inspection and quarantine bureau, hospital, etc.

More Application

Furniture, Floor, Wallpaper, Coating, Gardening, Interior Decoration and Renovation, Dyestuff, Papermaking, Pharmacy, Health Care, Foodstuff, Antiseptic.

Disinfection, Chemical Fertilizer, Resin, Adhesive, Pesticide, Raw Material, Sample, Technological Process, Livestock Farm, Refuse Processing Plant, Perm Place.

Bio-pharmaceutical Plant, Green Household, Livestock Breeding, Green House Cultivating, Warehouse Logistics, Brewing And Fermentation, Agricultural Production.