Smart Digital-Process Gas Detector

DA-752

Auto-Suction Type

GASDNA

Product Summary

DA-752 detects gas leaks in industrial sites such as factories and gas storages facilities producing or using toxic gases generated during manufacturing processes to prevent accidents in advance. It continuously sucks and detects leaked gas in the field using a micro pump, so it can smoothly perform gas detection functions in environments where gas detectors cannot be installed or are difficult to manage.
In addition, it converts digital signals back into 4-20㎃ standard current signals and outputs them to provide signals to various external devices such as PLCs, DDCs, and RECODERs. This makes it easier to build a more expanded and comprehensive gas monitoring environment.

Product features

- **Auto-Suction Type:**

  Continuous measurement of leaked gas is possible on the site using a micro pump. And it can smoothly perform gas detection functions in environments where gas detectors cannot be installed or are difficult to manage.

- **Digital Process**

  A digital process based on a microprocessor implements various artificial intelligence (AI) functions to perform more convenient, accurate, and efficient gas detection functions.

- **LCD Display with Back-Light**

  The detection concentration is displayed in real time on the LCD display, allowing immediate & convenient concentration confirmation even in the dark environments with blacklight functions.

- **Isolation Circuit**

  The safety & stability of sensor output has been enhanced by configuring an isolation circuit directly within the circuit to effectively block electrical noise.

- **Various Signal-Output**

  It provides smooth signal supply to external devices through various output methods such as DC 4-20㎃, 2 Step-Relay Contact, RS-485, etc.

- **TFT Display**

  The 1.7″ color TFT display shows gas concentration in real time and is easy to read even in the dark.

Product Specification

Specification	Detail
Detection Principle	Catalytic, Electro-Chemical, TCD & NDIR
Detection Type	Suction Type
Input Power	DC24V
Suction flow rate	0.5 LPM ~ 2.5 LPM
Accuracy	≤ ±3%/Full Scale
Output Signal	4-20㎃ DC/F.S
Detection Time(T90)	Within 5 Sec
Measuring Type	Suction Type
INPUT POWER	AC 220V
Suction flow rate	0.2 LPM ~ 3 LPM
Accuracy	≤ ±0.1%/Full Scale
Output Signal	4-20㎃ DC/F.S
Concentration display	1.7″ TFT Display - PPM, %LEL, % as per user requirement
Alarm Signal	1st Alarm - AL1 LED (RED)
	2nd Alarm - AL2 LED (RED)
Alarm Value Setting	AL2/AL1 2-step Alarm - Setting as per user requirement
Alarm Delay time	0~99 sec, Setting as per user requirement
Alarm Off	Manual and Automatic
Operating temperature	-10℃ ~ 50℃
Humidity Range	5~ 95% RH (Non-Condensing)
Installation Method	Wall Mounting Type
Gas Inhalation	Teflon 1/4"
Output Options	RS-485 (Optional)
Signal Wire	CVVS & CVVSB 1.25sp*3 Wire-Shield Type

Dimensions

정면도

측면도