

QM-9000D Series

# FLAMMABLE GAS DETECTOR

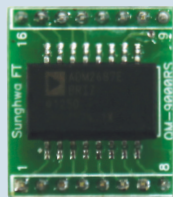
- 4~20mA.DC(Transmitter), RS-485 Modbus, HART Communication
- FND LOCAL DIGITAL DISPLAY
- MODEL : QM-9000D(F)

## FEATURES

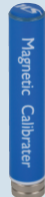
- ⊙ QM-9000D(F) is the highest quality gas detector used to measure flammable gases in real time in a place with potential explosion danger.
- ⊙ Flickering and lighting functions are optional for users.
- ⊙ QM-9000D(F) has the self-illuminating FND(LED) to identify atmospheric flammable concentrations even in a dark place.
- ⊙ High-intensity LED Flash Lamp(H.HH).
- ⊙ Without opening its cover, its magnetic key and computer-based monitoring systems can adjust the zero point, control concentrations, correct temperatures, check the records of the latest calibration dates, and so on.
- ⊙ The detector itself outputs 4~20mA.DC. QM-9000D(F) provides 24V.DC output with the function of Dry contact(1st, 2nd) output(Optional).
- ⊙ The computer systems and controller function as a two-way transceiver for communication.
- ⊙ Enclosure explosion-proof structure(IP66).
- ⊙ The Galvanic isolated RS-485 Network is excellent at detecting noises, so it can locally limit the spread of damage caused by thunder-strokes. It is the most powerful Field-Bus Network.
- ⊙ When the detector is added, it is connected to the nearest communication line and relevant computer monitoring systems for automatic extension and reduction. Thus, it is excellent at reducing installation costs and enhancing maintenance management.



HART MODULE



RS-485 MODULE



MAGNETIC KEY



## SPECIFICATION

- | **Model No.** | QM-9000D(F)
- | **Measuring gas** | Flammable Gas - H<sub>2</sub>, C<sub>2</sub>H<sub>2</sub>, C<sub>2</sub>H<sub>4</sub>, etc.
- | **Measuring range** | 0~100%(LEL)
- | **Measuring method** | Diffusion type, Catalytic combustion cell type, Semiconductor type
- | **Measuring signal** | 4~20mA.DC(Transmitter)  
Relay Contact(H.HH) or 24V.DC(H.HH), RS-485 Modbus/HART Communication - Option
- | **Measuring display** | 4digit FND Digital & 4LED display(Power, Low, High, Fault), Warning, Flickering, Lighting
- | **Response time** | Less than 15sec
- | **Transmission speed** | 38,400bps
- | **Accuracy** | ±3%/Full scale
- | **Operating Temp./Humi** | -40°C~+60°C/95% RH(Non-condensing)
- | **Operating power** | 21~31V.DC
- | **Consumption electric power** | 1.92W(4.56W During normal operation)
- | **Cable/Distance** | UL-2919 1pair(RS-485 Communication), Supply 24V.DC/Max 1,000M  
CVVS(Shield) 1.5sq × 3wire(4~20mA.DC)/Max 2,500M
- | **Conduit connection cable** | 3/4(22MM) PF, NPT
- | **Mounting type** | Wall mounting or 2" Pole mounting
- | **Approval** | Ex d II C T6(IP66) (KOSHA)
- | **Dimension** | 126(W) × 193.5(H) × 126(D)
- | **Weight** | 1.65Kgs