

Combustible Gas Detector

Model: SP-1102

The SP-1102 is a flame-proof (d) structure, fixed-mounted combustible gas detector adopting smart sensor detection technology. The standard configuration includes 3-wire 4~20mA analog output signal and one relay output.



Key Features:

- Widely applied in many industries for more than 10 years
- Three wires, support 4-20mA analog output
- Supports zero and full span output current adjustment
- Protection against over-range, wrong wire connection
- Support one set of relay to use
- Multiple electric Interface, standard type: 3/4" NPT M (3/4" NPT F, 1/2" NPT F/M, G3/4 F/M, optional)

Applications:

- Petroleum, petrification
- Metallurgy, chemicals
- Environmental protection
- Papermaking, printing
- Municipal administration
- Scientific research, education
- National defence

Specification

Detection principle	Catalytic combustion
Sampling	Diffusion
Power supply	10~30VDC
Power(Max.)	150mA@24VDC
Range	0~100%LEL
output signal	4~20mA
Load impedance	600Ω
Accuracy	±2%F.S(calibration point)
Response time (T₉₀)	<15s
Enclosure class	IP65
Mechanical Interface	3/4" NPT M(3/4" NPT F、1/2" NPT F/M、G3/4 F/M is optional)
Installation	2" pipe-holding/wall-mounting
Other output signals	Alarm 30VDC/2A, normally open/closed
Environmental temperature	-40°C~+70°C
Environmental humidity	10~93% RH (non-condensing)
Environmental pressure	86kPa ~106kPa
Physical dimensions	168.5mm×145mm×105mm (HWD)
Housing material	Aluminium alloy
Weight	Appr. 2.0kg
Anti-explosion certificate	Ex d IIC T6
CCCF	073124850014R0M

Standard configuration:

- Detector host
- Operation instruction
- Gas calibration hood
- Installing accessories

Installing accessories

- Perforated connector
- Clamp nut
- U-type mounting clamp
- Gas calibration hood
- Rain cover