

Fixed Gas Detector SI-H100

100422

Sampling type Gas Detector (SI-H100) measures sample gas by sensor cartridge in the case upon suction remotely on a real time basis. It is a device that assists to prevent or control a variety of gas related accidents including suffocation, intoxication, fire, explosion, corrosion, and so on in multiple semiconductor or industrial sites.

SI-H100 measures the gas concentration on a real time basis constantly and shows alarm of dangerous concentration, fault situation, and so on, upon attaching on the wall. By operating four buttons in the lower part of the screen, environmental setting of the device can be easily amended.

Measured gas concentration is transmitted with 4-20mA output on a real time basis and external operations according to the desired situations can be variously organised by three internal relays. In addition, it is possible to output MODBUS/TCP, and to solve data transmission and power at the same time only with a LAN cable (PoE).

Technical specifications

Size	124mm(H) X 65mm(W) X 155mm(D)
Weight	2Kg
Operating voltage	DC : 24V \pm 10%PoE : 36V~57V (Typical : 48V)
Flow rate	500mL/min (MAX 900)
Power consumption	Approximately 5.0W
Measurement display	Graphic LCD (160 X 100), gas concentration, flow rate, alarm, rear light, alarm, device abnormality
Relay	Primary Alarm, Secondary Alarm, Fault Alarm
Output signal	Analog, 4-20mA
Digital communication	RS-485, TCP Ethernet
Sampling distance	Length of input gas tube: up to 30m (FEP tube) Length of exhaust gas tube: up to 30m (FEP tube)
input/output tube	1/4" Teflon tube
Operating temperature	0°C ~40°C
Certification	CE
Control/Set	4 Button & RS485 & Ethernet
Warranty period of the device	2 years
Warranty period of sensor cartridge	1 year
Remote interface	Ethernet, RS-485
Wiring	4 to 20mA / DC power / Relay: up to 14 AWG

