

GX-1100 is a digital combustible or toxic gas leak transmitter with microprocessor application circuit and FND or LCD display. So you can use this detector with one indicator and you can monitoring the indication value at local area. Easy calibration function by magnetic bar. Self-diagnostic function greatly promote the using this device. Calibration and sensor sensitivity check can be performed by magnetic bar.

#### FEATURES

- Local 4 digit FND display
- Easy maintenance and calibration
- Linear DC 4 to 20mA output can be connected to various kinds of receivers
- Explosion proof housing (Ex d IIC T6 IP65)
- Two conduit port are offered with 1/2" or 3/4" NPT (PF)
- Applied the state of the art technology provides excellent stability

# GX-1100

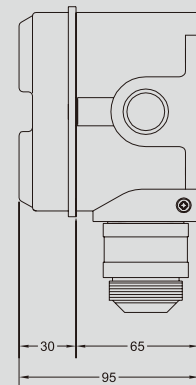
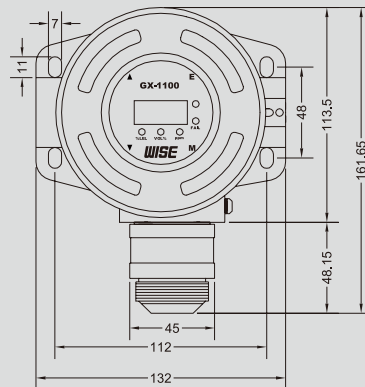


Local display & transmitter type combustible (IR sensor), toxic, oxygen gas detector

- FND digital display
- 4 to 20mA transmission
- Wide sensor applied
- Excellent reliability
- HART® Communication (optional)



Model	GX-1100 (IR)	GX-1100 (ELC)	GX-1100 (O2)	GX-1100(PID)
Measuring gas	Combustible gas , CO2 gas	Toxic gases	Oxygen gas	Toxic gases
Measuring range	0 to 100% LEL , ppm	ppm	0~25% Vol	ppm
Detection principle	Infrared	Electro chemical	Galvanic cell	Photo ionisation
Display	4 digit FND	4 digit FND or LCD	4 digit FND or LCD	4 digit FND
Sampling	Diffusion	Diffusion	Diffusion	Diffusion
Power	18 to 30V DC	18 to 30V DC	18 to 30V DC	18 to 30V DC
Power consumption	2.4W (100mA)	1.7W (70mA) or 0.5W (20mA)	2.4W (100mA) or 0.5W (20mA)	2.4W (100mA)
Output signal	Standard : DC 4 to 20mA	Standard : DC 4 to 20mA	Standard : DC 4 to 20mA	Standard : DC 4 to 20mA
	Optional1 : HART	Optional1 : HART	Optional1 : HART	Optional1 : HART
	Optional2 : RS-485 Modbus	Optional2 : RS-485 Modbus	Optional2 : RS-485 Modbus	Optional2 : RS-485 Modbus
	Optional3 : Alarm contact	Optional3 : Alarm contact	Optional3 : Alarm contact	Optional3 : Alarm contact
Load impedance	600Ω	600 or 250Ω	600 or 250Ω	600Ω
Local calibration	Yes	Yes	Yes	Yes
Explosion proof	Ex d IIC T6 IP65 (KOSHA)	Ex d IIC T6 IP65 (KOSHA)	Ex d IIC T6 IP65 (KOSHA)	Ex d IIC T6 IP65 (KOSHA)
Detector housing	Aluminum diecasting	Aluminum diecasting	Aluminum diecasting	Aluminum diecasting
Sension housing	SUS 316	SUS 316	SUS 316	SUS 316
Dimension	132(W)×161.65(H)×95(D)	132(W)×161.65(H)×95(D)	132(W)×161.65(H)×95(D)	132(W)×161.65(H)×95(D)
Cable	3 Wire shielded	2 or 3 wire shielded	2 or 3 wire shielded	3 Wire shielded
Response time	Less than 30 secs at T90 <sup>1)</sup>	Depending on the sensor	Less than 30 secs at T90 <sup>1)</sup>	Less than 15 secs at T90 <sup>1)</sup>
Zero / span drift	+ / -3%	+ / -3%	+ / -3%	+ / -3%
Expected sensor life time	60 month	18 to 24 month	18 to 24 month	6 month
Operating temp. / humi.	-20 to 50 °C / up to 95% R.H	-20 to 50 °C / up to 95% R.H	-20 to 50 °C / up to 95% R.H	-20 to 50 °C / up to 95% R.H



## Accessories



Collecting cone



Calibration gas



Adaptor & Splash guard



Mounting bracket with weather proof cover



Magnetic bar

1) T90 is the time it takes to display a 90% of the target gas  
T60 is the time it takes to display a 60% of the target gas