GM07XM

GENTEC Monitor

FEATURES

Retrofit for BAA-L Series (1~5 gas)

The construction is simple and fast, without reaming the wall or replacing the back box, only the panel needs to be replaced.
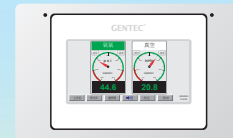
Get the latest alarm with minimal cost and time.
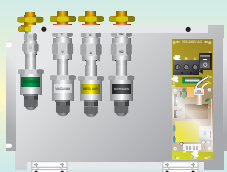
BAA-L 1~2 gases Panel

Retrofit for BAA-L 1~2 gases

GM070M-H 1~2 gases Panel
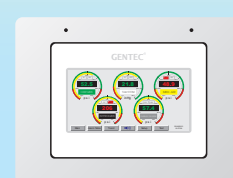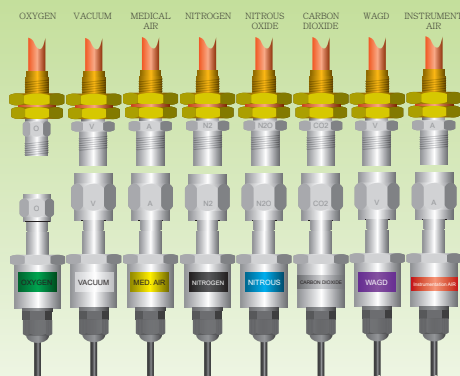
BAA-L Series Back Box

Remove

Install

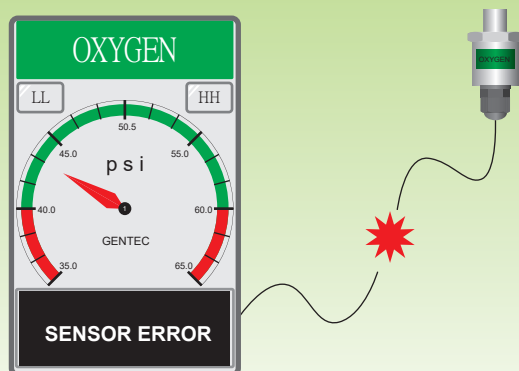BAA-L 3~5 gases Panel

GM071M 3~5 gases Panel

Retrofit for BAA-L 3~5 gases

Each transducer accessory contains a gas specific DISS fitting to ensure that the transducer is connected to its corresponding gas.

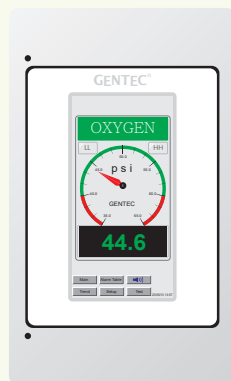With onsite history logs, user can trace alarm record easily.

With circuitry protection and detection, if the transducer is not connected appropriately at all , an error message (No Sensors) will be displayed.
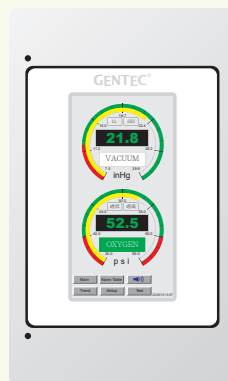
Each analog input can be set to relay output, which can output the alarm status. There are also 2-channel analog outputs for use by other remote devices.

- GM07XM alarm actively displays your medical gas information on a highly visible 7" TFT LCD screen.

- Numerical value indicates red during an alarm condition and remains a constant red after silencing until the condition is removed.

- The LCD touch screen display allows to set up on site without the use of tools including LCD brightness, two wire 4-20mA transducers with user-defined values, hysteresis, silent time, communication parameters, and alarm set points (high and low).

- Transducers can be mounted locally or remotely utilizing shielded twisted pair wiring up to 100 ft (30.5 m).

- The relay output can set the output condition when alarming. It contains a relay output that works together with the alarm tone to provide remote alarm tone control.

- The alarm system includes full networking capabilities out of the box. The system supports MODBUS RTU/TCP and UDP protocols to communicate with other devices.
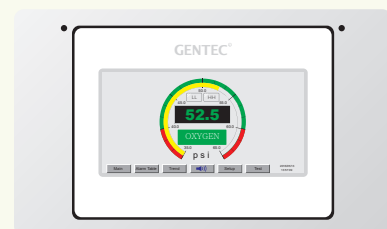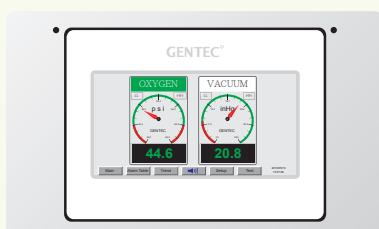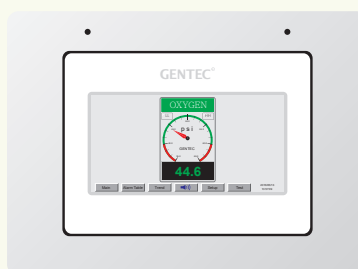
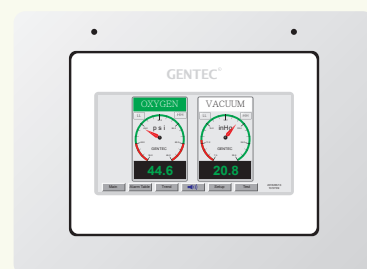## Sample of Devices

GM070M-V-O
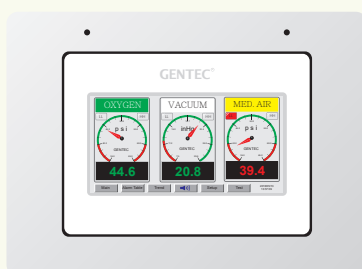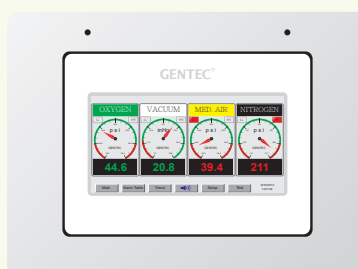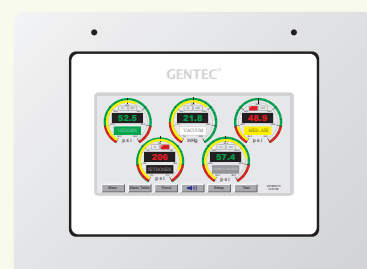
GM070M-V-OA

GM070M-H-O

GM070M-H-OV

GM071M-O

GM071M-OV

GM071M-OVA

GM071M-OVAN

GM071M-OVANC

Electrical and Physical Specifications

MECHANICAL

Front Panel	Metal Alloy & ABS
Case Body	Metal Alloy
Dimensions (Width x Height x Depth)	Overall Size: GM070M: 300mm x 175mm x 95mm GM071M: 300mm x 215mm x 95mm Beneath the Wall: GM070M: 270mm x 163mm x 80 mm GM071M: 270mm x 203mm x 80 mm
Wall Mounting Opening (Width x Height)	GM070M: 270mm x 163mm GM071M: 270mm x 203mm

ELECTRICAL

Power Requirements	Input: 100~240 VAC,50~60Hz 0.5AMaximum
Processor	32-bit RISC Micro-controller
Display	7" TFT LCD LED Back Light Resolution: 800x480 Pixels Colors :256K Brightness: 250 cd/m² Touch Panel: 4 wires resisteance LCD Life Times: 50000 hours
Buttons	Resisteance Touch Panel
Buzzer	Adjustable Volume (85dB Max.)

COMMUNICATION

Modbus RTU	9600/19200 baud, standard (8,N,1)
UDP	Modbus RTU over UDP
Modbus TCP	10/100M Automatic Selection for Ethernet

ENVIRONMENT

Ambient Temperature	0℃ ~ 50℃ (32℉ ~122℉)
Ambient Humidity	10% ~85% RH, non-condensing
Cooling	Natural Air Cooling

Input/Output

Analog Input	Number of Channels: 8 Type: 4-to-20 mA double-wire transmitter input ADC Resolution: 14 bit / 1% range of transmitter
Digital Input	Number of Channels: 14 Type: Dry Contact or TTL
Relay Output	Number of Channels: 7 Range: 0.15A at 48VDC 1A at 30VDC 0.5A at 120VAC
Current Output	Number of Channels: 2 Maximum Load: 4~20mA，in relation to 1~5V current for 4~20 mA double-wire transmitter

Display Pages

Alarm history Data	200 Events
Analog Trends	24 Hours (Display in percentage)
Parameters Setup	Provided

Regulations

	Comply with NFPA99

Order Information

Name	Orientation	Gas Type -X
GM070M GM071M	-H(Horizontal) V(Vertical) None	X:Gas Type

Gas Type Code

O: Oxygen	2: Nitrous Oxide
V: Vacuum	C: Carbon Dioxide
A: Medical Air	W: WAGD Vacuum
I: Instrument Air	L: Level
N: Nitrogen	

Annotations

Please make sure the back box dimensions of BAA-L series before ordering for retrofit.

GM070M-H provides BAA-L 1~2 gases type series panel retrofit. For new set of alarm, it can provide types up to 2 gases.

GM071M provides BAA-L 3~5 gases type series panel retrofit. For new set of alarm, it can provide types up to 5 gases.
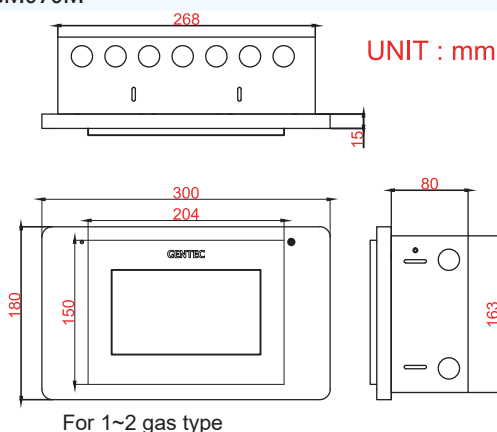
Example

GM070M-V-O
   7" Vertical Area Alarm with 1 gas
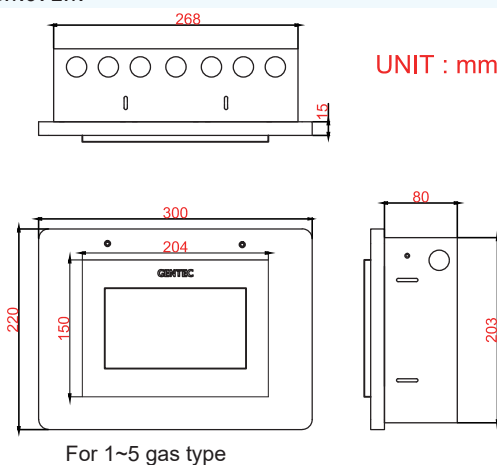   Gas Type: O2

GM071M-OVAN
   7" Area Alarm with 4 gases
   Gas Types: O2/Vac./Air/N2

Dimensions

GM070M

UNIT : mm

For 1~2 gas type

GM071M

UNIT : mm

For 1~5 gas type

Contact Information

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