

# TOTAL SOLUTION FOR GAS DETECTION SYSTEM

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## GTC-520 Series

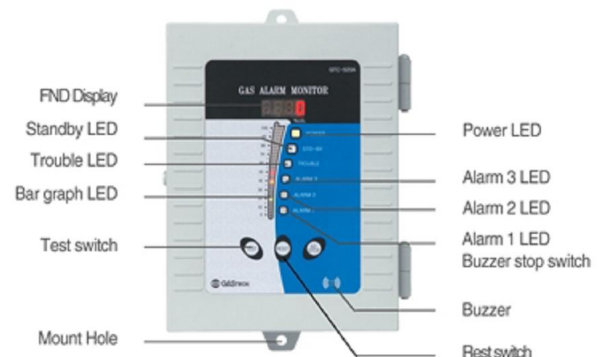
SINGLE CHANNEL TYPE



- Integrated type controller with built-in micro processor
- Simple structure, refined design and low cost of ownership
- Connectible with all kinds of gas detector
- Easy installation with wall mount type
- Gas concentration display with 4-digit & Bar-graph (32 LED)
- 3 color display by alarm stages (Green, Yellow, Red)
- 3 Alarm level LED display and relay contact output
- Easy configuration of monitoring system with RS-485 (isolated) Modbus serial communication
- Programmable Alarm setting (level, delay time, & etc)
- Peak hold
- Self diagnosis

### GENERAL

- GTC-520 is single channel type controller with micro processor. This is connected with gas detectors at on site and continuously display gas concentration and give alarm.
- Bar-graph display gas concentration and changes its color when alarm is occurred to visually check emergency condition
- Total cost of ownership is low and GTC-520 is suitable for small workplace (such as laboratory, school, hospital, small factory and so on)
- Micro processor give user programmable function (alarm concentration setting, alarm delay time, relay output setting & etc) to easily configure most suitable gas monitoring system
- Micro processor automatically checks system condition. When there is a trouble, micro processor give signals (trouble LED, alarm, indication on FND and trouble relay output) to immediately handle the trouble.
- GTC-520 produces 3-alarm and Trouble output to interlock with other devices (gas shut-off valve, beacon and venting FAN)
- GTC-520 has various outputs (4-20mA DC, 3 -alarm, trouble alarm, isolated RS-485) to interface with outer equipments (DCS, PLC, monitoring system)



[Option item]



RS-485 module

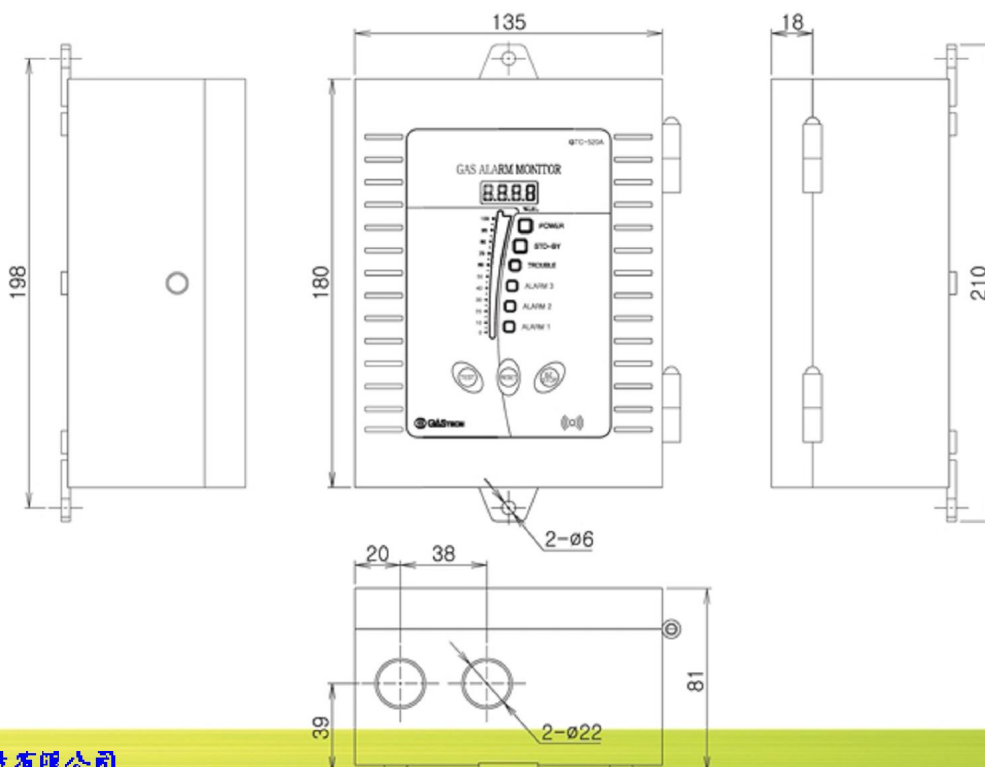
## SPECIFICATION

### SINGLE TYPE GAS MONITOR

Model	GTC-520
Operation display	6-LED (Power, 3-alarm, Trouble, Stand-by(maintenance))
Measuring display	4-Digit FND & Bar-Graph(32 LEDs)
Measuring range	1~9999 (programmable) / %LEL, ppm, % Vol
Alarm display	Visual: 3-Alarm, Trouble LEDs Audible: buzzer
Alarm output signal	3-Alarm, Trouble / AC250V/5A relay contact (SPDT) Shut-off control signal (DC 12V)
Alarm level set	Programmable within detection range
Input signal	4-20mA DC (2 wire or 3 wire)
Output signal	4-20mA DC Isolated RS-485 Modbus(option)
Reset signal	Reset switch and remote control
Program set mode	Alarm value & type (1, 2, 3 alarm) Alarm time (instant & delay (1~30 min)) Alarm dead band Measuring value compensation (SAD) Relay output on/off
Operating temperature	-10°C ~ +50°C
Operating humidity	0 ~ 99% RH (non-condensing)
Operating power	AC 90V~250V / 3.6W 24V DC (option)
Dimensions	135 x 180 x 81 (W X H X D)
Weight	0.6kg

※ Specifications are subject to change without prior notice.

## DIMENSION (unit : mm)



GTC-520