GTC-100
Smart Controller

Map Viewer Function

MSDS Viewer Function

Expansion Unit

GTC-100 Smart Controller

- Up to 10 channels of gas detector monitoring (4 ~ 20mA detection and 24V supply)
- Expansion of additional 10 channels when using extension unit (monitoring up to 20 channels)
- Relay, 4 ~ 20mA output function Individual module configuration
- 10.1" touch screen with wide viewing angle and multi-language support
- Intuitive user interface and alarm system configuration
- Detector position and alarm status can be displayed using map monitoring mode
- Detection channel log function and various event storage function
- Material safety data sheet (MSDS) viewer for sensing gas
- High output buzzer and user voice alarm function according to alarm occurrence
- Various external interfaces such as TCP / IP and MODBUS
- Provides earthquake alarm detection function (intensity 3 ~ 7)
- Robust case construction and IP65 waterproof / dustproof

Model	GTC-100
Capacity	Up to 10Channels with Base Unit, up to 20Channels with Expansion Unit
Size	430mm x 250mm x 164mm (WxHxD)
Weight	Max 8.5Kg
Housing Material	ABS PC
Display	10.1" Touch Screen (Resistive Type)
Language	Korean, English, Chinese
Visual Indicators	5 System LED (Power, Battery, Alarm, Service, Status) 3 Led for each channel: Green: Normal, Yellow: Fault, Red: Alarm)
Audible Alarm	90dB(@1m) Pieozo Buzzer (Alarm), 2W Speaker (Voice Guidance/Alarm)
Button	Operating Reset / Alarm Mute
4-20mA Input	4-20mA DC (2-wire or 3-wire) up to 10 Channel with Base Unit, up to 20Channel with Expansion Unit
Relay Output	AC250V 5A, DC30V 5A relay contact (SPDT). Up to 20Channel with Base Unit, up to 40 Channel with Expansion Unit

4-20mA Output	4-20mA DC (2-wire) Up to 10Channel with Base Unit, up to 20Channel with Expansion Unit
Operating temperature	-10°C ~ +55°C
Operating humidity	5 ~ 95% RH
IP Grade	IP65
AC Power	AC 110/220 V 50 – 60 Hz ± 6% / Max 150W
DC Power	DC 18 – 32 V(Normal DC 24V) / Max 150W
Backup Battery	21.8V/5100mAh Lithium Ion Battery (>30minutes for typical System) Optional
External Interface	TCP/IP, MODBUS Optional
Logging	Logged Event & Data
Setup Tools	WinApp Program