

## Transmitter Diffusion Flammable Gas Detector

# GTD-1000Ex



### Features

- This detector is specialized for detecting combustible gases.
- It is designed with an explosion-proof structure, ensuring there is no risk of secondary explosions.
- KFI-approved model integrated with the GTC-543 control panel.
- Supports 4-20mA (Current source or sink) output.
- It boasts a competitive price while maintaining high quality.
- Equipped with a built-in FND display for easy inspection and calibration.
- The calibration process is simple enough to be completed by a single operator.

### Accessories



Cable gland



Rain cover



Splash guard



Collecting cone

## Sensor Specification

| Measuring method | Catalytic cell      | Hot wire semiconductor cell | Thermal conductivity cell |
|------------------|---------------------|-----------------------------|---------------------------|
| Measuring gas    | Flammable gas       | Flammable gas               | Flammable gas             |
| Measuring range  | 0 ~ 100% LEL        | 0 ~ 2000ppm                 | 0 ~ 100% Vol              |
| Response time    | < 15sec / 90% scale | < 15sec / 90% scale         | < 15sec / 90% scale       |
| Material         | SUS316              | SUS316                      | SUS316                    |

## Detector Specification

| Measuring type        | Diffusion type                                                                         |
|-----------------------|----------------------------------------------------------------------------------------|
| Accuracy              | ±3% / Full scale                                                                       |
| Output signal         | Analog : 4-20mA Analog output                                                          |
| Material              | Aluminium alloy                                                                        |
| Cable entry thread    | Standard : PF 3/4"<br>Option : PF 1/2" , M20 x 1.5P , M25 x 1.5P , NPT 1/2" , NPT 3/4" |
| Mounting type         | 2" Pole mount, Wall mount                                                              |
| Operating temperature | -20°C ~ 60°C                                                                           |
| Operating humidity    | 5 ~ 99%RH (Non-condensing)                                                             |
| Dimensions            | 136(W) x 166(H) x 95(D) mm                                                             |
| Weight                | 1.2kg                                                                                  |

## Detector Certification

| Explosion Proof Certification | KCs     | Korea Explosion Proof Certification       | Ex d IIC T6 |
|-------------------------------|---------|-------------------------------------------|-------------|
| Other Certifications          | CE(EMC) | European Electromagnetic Certification    | -           |
|                               | KC      | Korea Electromagnetic Certification       |             |
|                               | KFI     | Korea Fire Safety Certification           |             |
|                               | -       | Thailand Ministry of Energy Certification |             |