

Portable Gas Detector

Product Introduction

► GFM-500C | 5-Gas Portable Gas Detector

This portable gas detector is designed to detect five types of gases. Powered by a rechargeable battery, it offers at least 20 hours of operation per full charge, with real-time battery status displayed on the screen. Built-in event and data logging functions enhance safety management and incident analysis. With an optional pump, it can be used as a sampling-type detector for fast and accurate gas detection at specific locations.



► Product Specification

*=Weight varies by clip and gas type.

Measuring gas	Standard Gas - O ₂ , CO, H ₂ S, CO ₂ , Flammable
	Additional Gas (*Please inquire separately) VOC, NH ₃ , Cl ₂ , HCl, H ₂ , ETO(EO), PH ₃ , SO ₂ , HCN, HF, NO, O ₃ , NO ₂ , ClO ₂ , AsH ₃ , CH ₂ O, C ₂ H ₄ , Acetic Acid(RCOOH gas), CS ₂ , H ₂ O ₂ , SiH ₄
Dimensions/Weight	58(W) x 114(H) x 47(D) mm / 200 g
Operating Temperature / Humidity	-20℃ ~ 50 ℃ / 5 ~ 95 % RH
Case material	Polycarbonate + Thermoplastic polyurethane
Alarm	Visual, Vibrating, Audible (95dB or higher)
Ingress protection	IP 68
Battery	Single-cell rechargeable Li-ion battery
Communication Functions	Mesh Network, Bluetooth
Key Certifications	KCs, IECEx, ATEX, NEPSI, KC, CE EMC, CE RED

► Communication Type

Mesh Network	Bluetooth
A diagram illustrating Mesh Network communication. It shows two gas detector icons, each with a small antenna. Red curved lines represent the communication signal between the two devices, indicating a peer-to-peer connection.	A diagram illustrating Bluetooth communication. On the left is a gas detector icon with an antenna. A red circle with a Bluetooth symbol inside is positioned between the detector and a smartphone icon on the right. Red curved lines represent the signal being transmitted from the detector to the phone.
Real-time sharing of alarms and gas readings between nearby portable gas detectors allows workers to be instantly alerted to hazardous situations, improving team awareness and workplace safety.	With integrated Bluetooth connectivity, a single portable gas detector can transmit its status and readings to a nearby smartphone or monitor, enabling convenient real-time personal monitoring.

► Accessories

01 GFA-00C



A charging adapter designed for rechargeable portable gas detectors. It can be used with a standard 5V USB Type-C charger and cable.

02 GFA-100 IR LINK



An infrared communication accessory used to modify alarm setpoints and calibration gas concentrations or to clear error codes on portable gas detectors.

03 GFA-50C



Charging adapter for rechargeable portable gas detectors. Compatible with standard 5V USB Type-C chargers.

04 Calibration Cap



A dedicated cap used during gas detector calibration. It securely connects a gas tube and ensures stable delivery of calibration gas to the sensor.

05 GFP-10



Converts diffusion-type gas detection to pump-type sampling. Compatible with the G-Finder Series and various third-party detectors for continuous gas monitoring.

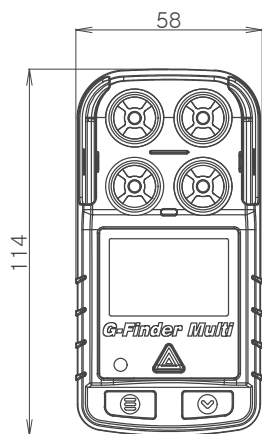
06 GFP-10-M5C Direct Mount Pump



Converts a portable gas detector from diffusion operation to pump operation, allowing continuous gas leak monitoring at the desired sampling point.

► Drawing

| Front View |



| Side View |

