



## Certified Pump GFP-10

MOTORIZED, PORTABLE EXTERNAL PUMP FOR GAS DETECTOR

The GFP-10 is a portable external pump for a gas detector that is used in an industrial area. Using the GFP-10, a diffusion-type gas detector can be converted into a sampling-type gas detector.

## Features and Benefits



### Conversion

With the GFP-10, a portable gas detector can be used as a sampling gas detector. It is used to detect gas in an area users cannot reach. Also, the GFP-10 can prevent accidents before users enter the confined area with an additional accessory - the probe.



### Optimisation

The GFP-10 can be used under various conditions with different combinations. The GFP-10 can be applied on different site conditions, including confined spaces and hazardous areas with combustible gas.



### One-button Operation

The GFP-10 can be operated with only one button. Press and hold the button for more than 3 seconds to start the operation of the pump. The operation status can be easily checked via the LED indicator, which allows users to react to pump issues in real time.



### Charging

The GFP-10 can be charged with a USB Type-C cable. A full charge will take up to 7.5 hours, and can then be operated for over 20 hours on a full charge.



### Explosion-proof Construction

The GFP-10 acquired Explosion Proof Certification, including KCs (Korea), IECEx (International), ATEX (Europe), and UL. It can be safely used in sites with combustible gases.



### Compatibility

The GFP-10 offers broad compatibility across multiple detector types. It can also interface with a wide range of portable gas detectors from other brands. The GFP-10 may be connected to fixed-type detectors installed within a 15-meter distance, allowing users to streamline their gas detection setup and maintain operational flexibility across different environments.

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## Specifications

|                       |                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions            | 61 x 136 x 41 mm (GFP-10)                                                                                                                          |
| Weight                | Approx. 208 g (GFP-10)                                                                                                                             |
| Operating temperature | Detection: -20 ~ 50°C<br>Recharge: 0 ~ 45°C<br>Storage: -20 ~ 25°C                                                                                 |
| Operating humidity    | 5 ~ 95%RH                                                                                                                                          |
| IP                    | 67                                                                                                                                                 |
| Alarms                | Visual, Audible alarm (min. 90 dB @10cm)                                                                                                           |
| Flow                  | 0.4 L/min (fix)                                                                                                                                    |
| Max. tube length      | 15m                                                                                                                                                |
| Tube spec.            | 5x8mm 411-0018-039<br>3x5mm 411-0018-038                                                                                                           |
| Battery               | Rechargeable lithium-ion battery                                                                                                                   |
| Charging voltage      | DC 5V (USB-C); Um = AC 250V                                                                                                                        |
| Charging time         | ≤ 7.5h                                                                                                                                             |
| Run time              | Minimum 20 hours when fully recharged (reflects to the condition of the area such as temperature, storing conditions, etc.)                        |
| Safety certifications |  Ex ia IIC T4 Ga                                                 |
|                       |  Ex ia IIC T4 Ga                                                |
|                       |  II 1G Ex ia IIC T4 Ga                                          |
|                       |  II 1G Ex ia IIC T4 Ga                                          |
|                       |  Class I, Div. 1, Groups A, B, C, D<br>Zone 0, AEx ia IIC T4 Ga |
|                       |  EMC Directive 2014/30/EU                                       |

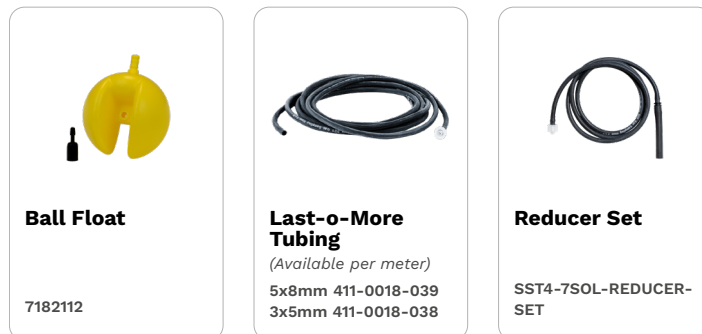
## Stand-alone Type

The GFP-10 can be used with a diffusion-type gas detector. The air is drawn by the pump and transferred through the hose that is connected at the bottom of the pump, to the connected detector for analyzing. The advantage of the GFP-10 is that it can be connected to other brands' portable detectors, as well as fixed-type detectors within 15m.

## Works with



## Accessories



### For more information

www.watchgas.com / www.watchgasusa.com  
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