

Pump G400-MP1

for Microtector II Series (G450/G460)



- Independent power supply
- High performance
- Visual alarm
- Quickly attachable
- Easy handling

Worldwide Supplier Of Gas Detection Solutions



Pump G400-MP1 for Microtector II series

Application

Before entering confined spaces like tanks, windowless cellar rooms, wells, shafts, pits or sewers, an ATEX-approved gas detector must be used to check the atmosphere from a safe position.

The electrical pump G400-MP1 was especially developed for the portable gas detectors of the G450/G460 series. The G400-MP1 can be used either for spot checks or for permanent operation.

Small and light

As with the G450/G460 detectors, the G400-MP1 pump is extremely small and light.



Flexible

The pump is easily attached to the portable gas detector G450/G460 and fixes safely with pre-mounted screws. The pump is ready for operation very quickly and allows an enormous flexibility. For permanent

use the pump can be fixed with two additional screws.



High performance

The high-performance pump takes gas samples (depending on gas type and hose material) from a distance of up to 100 m.

Easy handling

The pump is activated by sliding the red sensor cover upwards. The diffusion inlets of the G450/G460 are covered automatically.

Long operational time

In general the pump durability is sufficient for the whole working day. Depending on operation conditions it will work continuously for approx. 10 hours. The usual readiness for operation, however, is considerably longer.

Power supply

The pump has an independent power supply and does not affect the operational time of the gas detector.

The pump can be operated with two alkaline batteries or with a rechargeable NiMH battery pack. The charging time of the NiMH battery pack is less than 4 hours. The pump can be recharged comfortably in a drop-in charger, which also charges the gas detector G450/G460 simultaneously. A vehicle charger is also available.

Visual indication

During sampling, a green LED is lit permanently to indicate troublefree operation. Once the pump is turned on, the green LED indicates the battery capacity automatically by a defined number of flashes.

Alarm

The circuitry of the G400-MP1 is permanently monitored. If a fault is recognized, a clearly visual alarm is triggered.

Low-flow alarm

If the sampled gas amount is too low (<0.25l/min) or if the power supply of the pump motor is interrupted, an optical alarm is given by means of a flashing red LED.

Accessories

- Sampling hoses
- Hose adaptor
- Special water/dust filters
- Sampling probe
- Telescopic probe
- Float probe

Pump G400-MP1 Technical Data

Pump performance:

0.50 l/min at 0 mm water column
0.35 l/min. at 300 mm water column

Dimensions:

109 x 68 x 21 (57) mm (WxHxD)

Weight:

180 g Alkaline version
195 g NiMH version

Power supply:

2 AA or rechargeable NiMH battery pack

Operational time:

approx. 10 hours

Charging time:

< 4 hours

Climate conditions:

-20°C .. +55°C; 5 to 95 % r.h. (operation)
-25°C .. +55°C; 5 to 95 % r.h. (storage)

Protection class:

IP40

Approvals:

ATEX ⓈII 2G Ex ia IIC T3 for NiMH
ATEX ⓈII 2G Ex ia IIC T4/T3 for Alkaline

Electro-magnetic compatibility:

DIN EN 50270: 1999

Display and alarm:

Green LED:

Display of battery capacity and readiness of operation, battery alarm

Red LED:

Low-flow alarm and system fault



GfG Headquarters

Klönnestrasse 99
44143 Dortmund • Germany
Phone: +49 / (0)231 - 564 000
info@gfg-mbh.com • www.gasmessung.de

GfG Europe

Great Dunmow
Essex CM6 1XG • United Kingdom
Phone: +44 / (0)1371 - 874 447 • Fax: +44 / (0)1371 - 879 904
info@gfgeurope.com • www.gfgeurope.com