

# Smart Pump G400-MP2

for G450/G460



- Optimised alarm system:
  - visual alarm via G450/G460 display and alarm LEDs
  - audible alarm via G450/G460 sounder
  - vibration alarm via G450/G460
- Enormous flexibility  
(G450/G460 can be used in either pumped or diffusion mode)
- Autonomous power supply (does not take power from instrument)

Worldwide Supplier Of Gas Detection Solutions



# Perfect interaction for maximum safety



*G460 with pump activated:*  
- Sensor cover UP  
- Diffusion inlets covered

## Optimised alarm system

The new G400-MP2 pump communicates with the gas detectors G450/G460. This interaction allows fault indication

via the detector display. Low battery, blocked sampling line or interrupted power fault modes are shown on the display and activate different visual and audible warnings.

## Various applications

Gas samples can be taken from distances of up to 100 m with considerable low-pressure performance – the safe solution for confined space measurement.

## Enormous flexibility

The G400-MP2 is the only attachable pump available which may remain fixed to the detector. When the pump is turned on, the diffusion inlets are covered and the measurement results are not affected by air flows.

An additional filter system in the sampling line protects pump and sensors from dust and moisture. When the pump is turned off, the gas detector can be operated as usual. The diffusion inlets now allow all gases to enter the sensor chamber.

## Autonomous power supply

The G400-MP2 is operated on its own power supply, independently



*G460 with pump de-activated:*  
- Sensor cover DOWN  
- Diffusion inlets open

from the gas detector, i.e. the pump does not affect the operational time of the G450/G460. The pump power supply allows at least 10 hours of continuous operation.

## Smart Pump G400-MP2

### Pump performance:

0.50 l/min at 0 mm water column  
0.25 l/min at 400 mm water column  
max. low-pressure approx. 1600 mm water column  
up to 100 m sampling distance

### Dimensions :

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

### Electro-Magnetic Compatibility:

DIN EN 50270

### Display and Alarm:

Audible, visual and vibration alarms communicated via G450/G460

### LowFlow alarm:

Flow < 0.25 l/min

### Protection:

IP40

### Operational temperature/humidity:

-20°C ... +55°C; 5 ... 95 % r.h.

### Storage temperature/humidity:

-25°C ... +55°C; 5 ... 95 % r.h.

### Power supply options:

Alkaline batteries or rechargeable NiMH battery pack

### Alkaline battery:

#### Approval:

ATEX II 2G Ex ia IIC T4/T3

#### Weight:

180 g

#### Operational time:

approx. 10 hours

### NiMH battery:

#### Approval:

ATEX II 2G Ex ia IIC T4

#### Weight:

195 g

#### Operational time:

approx. 12 hours

#### Charging time:

< 4-5 hours



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