

G400 MP-2

Smart pump for the G450/G460



G400

Smart Pump



- Optimized alarm system:
 - Visual alarm via the G450/G460 display and alarm LEDs
 - Audible alarm via the G450/G460
 - Vibration alarm via the G450/G460
- Allows monitor to be used in either pump or diffusion mode
- Independent power supply (does not reduce instrument battery capacity)
- 300 feet (100 meter) remote sampling capability
- **Now with INMETRO Certification!**

GfG Instrumentation

1194 Oak Valley Dr, Ste 20, Ann Arbor MI 48108 USA
(800) 959-0329 • (734) 769-0573 • www.goodforgas.com

G400 MP-2 Smart Pump

Optimized Alarm System

The new G400 MP-2 pump continuously communicates with the G450/G460 gas detector. This interaction allows fault indication via the detector display. Alarms such as low battery, blocked sampling line or interrupted power fault are shown on the display and activate a visual and audible alarm on the monitor.

Various Applications

Gas samples can be taken from a distance of up to 100 meters (over 300 feet) at a typical draw rate of 0.5 liters per minute.

Superior Flexibility

The G400 MP-2 is the only detachable pump on the market today which will allow for operation in both diffusion mode and remote sample-draw mode. Simply slide the shutter to turn the pump on or off. When the pump is on, the shutter covers the diffusion inlets and exposes them when the pump is switched off.

The G400 MP-2 features a high efficiency redundant filter system in addition to a standard external probe with dust and hydrophobic filters.

Independent Power Supply

The G400 MP-2 is operated by its own power supply, independent of the gas detector. The power supply of the pump allows for up to 10 hours of continuous operation.



Specifications

Pump Performance

0.50 l/min at 0 mm water column
0.25 l/min at 400 mm water column
Up to 100 m (300 feet) sampling distance
1 foot/second (1 m/3 seconds) typical sample time

Dimensions:

4.3 x 2.7 x 0.8 in (H x W x D)
109 x 68 x 21 mm (H x W x D)

Electromagnetic Compatibility

DIN EN 50270

EMI/RFI Resistance

EMC Directive 89/336/EEC

Display and Alarm

Audible, visual and vibration alarms communicated via G450/G460

Low Flow Alarm

Flow <0.25 l/min

Operational Temperature/Humidity

-4 to 131°F (-20 to +55°C) / 5 to 95% r. h.

Storage Temperature/Humidity

-13 to 131°F (-25 to +55°C) / 5 to 95% r. h.

Power Supply Options

Alkaline batteries or rechargeable NiMH battery pack
Note: For rechargeable pump option, please specify a double charger when ordering the instrument for simultaneous charging.

Approvals

Intrinsic safety: c-CSA-us
Class 1, Div 1, Groups A, B, C and D
Hazardous locations Temp code T3

INMETRO (G450): Ex da ia IIC T3 Ga
(-20 °C ≤ Tamb ≤ +50 °C)

INMETRO (G460): Ex db eb ia IIC T3 Gb
(-20 °C ≤ Tamb ≤ +50 °C)
Ex db eb ia IIC T4 Gb
(-20 °C ≤ Tamb ≤ +45 °C)

MSHA Approved version available

Weight

6.5 Oz (180 g) (alkaline) / 6.8 Oz (195 g) (rechargeable)

Operational Time

Up to 10 hours (alkaline) / 12 hours (rechargeable)

Specifications subject to change without notification

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GfG Instrumentation

Tel: (800) 959-0329 or (734) 769-0573
Fax: (734) 769-1888
E-mail: info@gfg-inc.com
Website: www.goodforgas.com

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