GMA 41 / GMA 44
Compact controller for all transmitters

Easy mounting on DIN-rail
State-of-the-art microprocessor technology
Flexible, for all measuring tasks
For 1 to 4 transmitters
Can also be configured at a later stage

Worldwide Supplier of Gas Detection Solutions
Fixed systems gas warning for DIN-rail mounting

The GMA 41, one channel gas warning system, and the 4-channel device GMA 44 together with the efficient and robust transmitters of GfG offer safe and reliable gas warning systems.

**Alarm thresholds**
Both systems have three alarm levels. Every alarm can be adjusted separately. False alarms are eliminated with the adjustable alarm delay. The threshold values can be freely adjusted within the detection range. They can also be adjusted at a later stage with the control keys to adapt to changing requirements. Every threshold value can be selected to be latching/non-latching and resettable/non-resettable.

**Alarm relaying**
Every controller provides 4 voltage-free relays for the three alarms and the fault warning. The relays may be used to control external alarm devices like lamps or horns. They even can introduce specific counter measures to prevent or limit dangers from gases or vapours.

**Additional Features**
The GMA 41 and GMA 44 store minimum and peak values and therefore after an alarm, the gas danger can exactly be determined.

With the help of the key-operated switch, all connected GMA’s can be switched to a collective alarm.

The GMA (variant B) offers an integrated Bus-system. The Bus-system transfers alarms and malfunctions for a collective alarm and establishes the connection of the power supply for all GMA’s. Several GMA’s can simply be connected without any additional wiring required.

EC versions are integrated with a transformer for 230 V voltage supply. The GMA EC with high voltage can effectively operate all transmitters with electrochemical sensors.

The ECB version takes the multiple technology from the integrated transformer with the bus system to create a dynamic sensor that still supplies a 230 V voltage.

### Technical Data

**Function test**
PFG No. 41300500

**Models**
- GMA 41/GMA 44
- GMA 41 B/GMA 44 B
- GMA 41 EC/GMA 44 EC

**GMA 41 B/GMA 44 B**
Bus system, power supply 24 V

**GMA 41 EC/GMA 44 EC**
Power supply 230 V, for operation of electrochemical sensor with 0.2 .. 1 mA signal output

**GMA 41 ECB/GMA 44 ECB**
Power supply 230 V, for operation of electrochemical sensor with 0.2 .. 1 mA signal output, bus system

**Key-operated switch**
- GMA 41/GMA 44 SW (24 V)
- GMA 41/GMA 44 SW (230 V)

**Power Supply Module**
- PS 12 (12 W)
- PS 30 (30 W)
- PS 50 (50 W)

We reserve the right of modification