



## Gas measuring system MF420-Ex-2.1 (WT) ethanol

**Part no. 69034**

**Gas measuring system with Ex approval for zones 1 and 2**

### benefits

- for monitoring of combustible gases and vapours or carbon monoxide
- on site calibration by one person (without opening the housing), indication of measured value and system info
- measuring principle: Heat tone principle (WT) or electro-chemical principle (EC)
- suitable for control units GW-S 2.1, GW-S4.1 and GW-SK 6.1

### Application

For the detection and monitoring of flammable, explosive, toxic gases or oxygen. Can also be used in dusty and dirty environments. Can be used as standalone measuring system or in conjunction with the gas alarm systems GW-S 2.1, GW-S4.1 und GW-SK 6.1 as a complete gas alarm facility for hazardous areas. Approved for operation in potentially explosive atmospheres/EX areas zone 1 and zone 2.

### Description

Gas sensor with digital display in compact wall mounting housing. Diverse gases can be monitored (see ordering table). Connection cable (shielded) 3 x 1.5 mm<sup>2</sup> Cu+ protective conductor, supply and return conductor (max. 100 Ohm line resistance). Thanks to the local display, it is possible to immediately read current measured values, perform calibration and set limit values. The concentration is output via the 4–20 mA interface for further processing.

### Technical Specifications

#### Measuring range

version WT: 0/100 % UEG

#### Measuring principle

heat tone (HT)

Service life: ca. 3 Jahre

#### Supply voltage

DC 18 – 30 V

#### Current input

ca. 105 mA at 24 V

#### Operating temperature range

temperature class T4: -40/+60 °C

temperature class T6: -40/+50 °C

#### Humidity/moisture

10/95 % rH, Non-condensing

#### Atmospheric pressure

700/1300 hPa

**Housing**

Wall mounting housing  
material: aluminium alloy/stainless steel  
ø x H: 84 x 78 mm  
Weight: 1.1 kg  
Degree of protection: IP 65 (EN 60529)

**Output signal**  
4–20 mA

**Ex approval**  
Ex II 2G Ex de IIC T6/T4 Gb

**Options**

- RS 232 interface at control unit

**Versions**

|                                                      |                                                                                   | Part no. |
|------------------------------------------------------|-----------------------------------------------------------------------------------|----------|
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-  in-stock items
-  Non-stock items