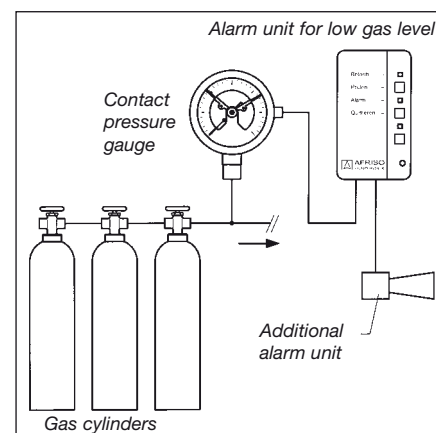


# Alarm unit for low gas level



## Application

For monitoring the pressure in gas filled containers (e.g. gas installations, gas cylinder batteries or bundle stations).

## Function

The alarm signal is generated by a pressure gauge fitted with an electrical contact. The alarm level can be set to any value from 5 to 95 % via the contact arm of the pressure gauge.

A green LED indicates normal operation.

In case of a power failure, the unit does not generate an alarm signal. When power is restored, the instrument immediately resumes operation. If, in the meantime, the gas pressure has fallen below the set limit, an alarm signal is generated.

When an alarm occurs, the red LED lights up. In addition, the system generates an audible alarm. The audible alarm can be re-set. The red LED remains lit for as long as the alarm condition prevails.

The proper functioning of the system can be checked at all times by pressing the test button. When the button is pressed, the system must generate an alarm, i.e. the red LED must light up and the audible alarm must sound.

## Description

The system consists of one or several contact pressure gauges (connected in series), a control unit (alarm unit for low gas level) and, if required, an additional alarm unit.

The contact pressure gauge is equipped with a magnetic spring contact which is actuated by the pointer of the pressure gauge. The ranges of the pressure gauges can be selected as required.

If several gas containers are to be monitored, several contact pressure gauges can be connected in series and monitored by a single alarm unit for low gas level. It is also possible to connect a separate alarm unit for each measuring point.

An additional alarm unit can be connected to the relay output of the alarm unit as an auxiliary remote alarm.

## Technical specifications

### Operating temperature range

Ambient: -5 °C/+40 °C

### Supply voltage

AC 230 V  $\pm$ 10 %

### Power consumption

5 VA

## Circuit to pressure gauge

Intrinsically safe,  $U < 16.8 \text{ V}$ ,  $I < 57 \text{ mA}$

## Relay output

Relay contact: 1 voltage-free contact, normally open  
Contact rating: Max. 250 V, 2 A, (resistive load)

## Response delay

none

## Intrinsic safety

[EEx ia] IIC

## Housing

Wall mounting housing made from impact resistant plastic (ABS)  
W x H x D: 100 x 188 x 65 mm

## Protection

IP 30 (EN 60529)

## Protection class

II (EN 60730)

## Interference

According to EN 61000-6-3

## Noise immunity

According to EN 61000-6-2

	DG	Part no.	Price €
Alarm unit for low gas level	M	67006	
Mounting frame	G	<b>43521</b>	
Sealing set (IP 54)	G	<b>43416</b>	