



## Alarm unit for low gas level



### Benefits

- Logistics made easy: Just in time information on empty gas cylinders
- With visual/audible alarms, Test and Acknowledge buttons
- Relay output for event reporting system EMS

### Application

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

### Description

The system consists of one or several pressure gauges with electrical contacts (connected in series), a control unit (alarm unit for low gas level) and, if required, an additional alarm unit. The 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 pressure gauges with electrical contacts 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 EMS event reporting system can be connected to the relay output of the alarm unit for low gas level for remote monitoring.

### Technical specifications

#### Operating temperature range

Ambient: -20/+50 °C

#### Supply voltage

AC 230 V  $\pm$  10 %

#### Power input

5 VA

#### Circuit to pressure gauge

Probe circuit: Ia  
 Maximum values:  $U_0 = 16.8$  V  
 Maximum values:  $I_k = 57$  mA  
 Maximum values:  $P = 240$  mW  
 Maximum values: Linear characteristic  
 Maximum values:  $C_0 = 180$  nF for IIC, 675 nF for IIB  
 Maximum values:  $L_0 = 1$  mH for IIC, 8 mH for IIB

#### Visual indication

LED green: Operation  
 LED red: Alarm

#### Audible alarm

Min. 70 dB(A), can be acknowledged

#### Switching output

Relay contact: 1 x voltage-free changeover contact  
 Contact rating: Max. AC 250 V, 2 A

#### Response delay

None

#### Housing

Wall mounting housing made of impact-resistant plastic (ABS)  
 W x H x D: 100 x 188 x 65 mm  
 Weight: 0.4 kg  
 Degree of protection: IP 30 (EN 60529)

#### EC Type Examination Certificate

TPS 03 ATEX 15639 6 Ex II (1) G [Ex ia] IIC bzw. [Ex ia] IIB



## Versions

	Part no.
Alarm unit for low gas level	67006

Blue part no. = in-stock items