K 100 (W) Gas

Gas warning device for Chlorine, Chlorine dioxide, and Ozone

- **Connection of one or two gas sensors**
- **Easy and safe operation by plain text menu guidance**
- **Safety by password function**

K 100 W GAS

Applications

Ambient Air Monitoring

TLV Monitoring

Description

The K 100 (W) GAS is a sophisticated instrument for continuous monitoring of gases in ambient air. The connection of one or two electrochemical sensors of the GE-700 series is possible.

Particular characteristics

- **Measuring ranges in the ppm-range depending on the used gas sensor**
- **Automatic sensor test, adjustable test cycle**
- **Three potential-free contacts for limit value 1, limit value 2 and general alarm**
- **Zero current safe - the effective direction of the alarm relay is invertible**
- **Background illuminated two-line LC-Display**
- **Display of relay and error messages**
- **Scaleable, galvanically isolated 0/4.. 20 mA output**
- **OPTION: serial interface RS 485**

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subjects to alterations - version 10/2011

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Technical data

Measuring parameter

Chlorine Gas	0.. 10 ppm
Chlorine Dioxide	0.. 1 ppm
Ozone	0.. 1 ppm

Input characteristics

Digital input	1 for switch off relay 2

Output charcteristics

Alarm relay	1 potential-free NO contact, max. 250 V, 6 A, 550 VA	
Output signal	1 x 0/4.. 20 mA (measured value sensor 1 or sensor 2)	
	Load	max. 500 Ohm
	Registration range	Measuring range
Serial interface	RS 485 (optional)	
	Baud rate	9600 Baud
	Data format	8 bit

Power supply

Line voltage	24 / 117/ 230 VAC, +6/-10%, 40.. 60 Hz
Power consumption	10 VA

Controller

Relay	2 relays each with potential-free NO contact, max. 250 V, 6 A, 550 VA

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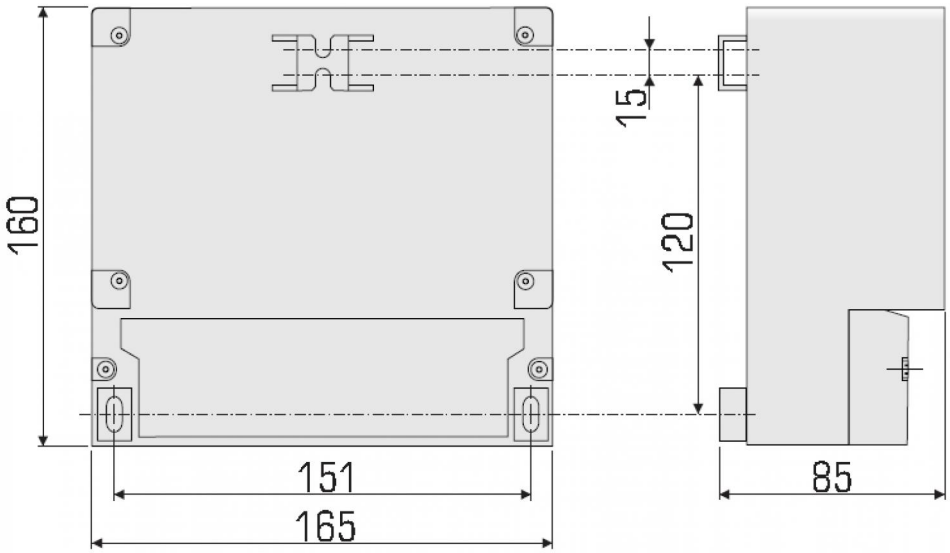
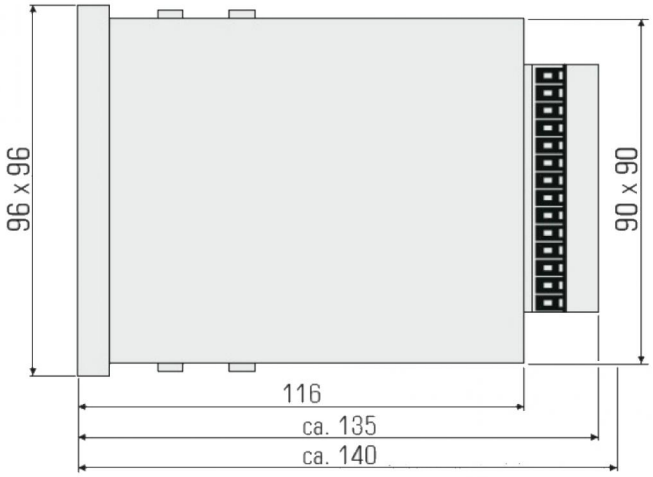
Mechanical drawing





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Storage version

Article number	Name	Description
100500K	K 100 GAS	Chlorine / Chlorine Dioxide/ Ozone gas, panel mounted housing, 230 VAC
105500K	K 100 W GAS	Chlorine / Chlorine Dioxide/ Ozone , wall mounted housing, 230 VAC

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