

K 100 (W) GAS

Chlorine, Chlorine Dioxide and ozone gas measuring instrument

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



applications



Lager-Abluftüberwachung



Ambient Air Monitoring



TLV Monitoring



Environmental 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
- 3 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



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technical data

measuring parameter

Chlorine Gas	0.00 .. 10.00 ppm
Ozone Gas	0.00 .. 1.00 ppm
Chlorine Dioxide Gas	0.00 .. 1.00 ppm

input characteristics

accuracy Depending on the sensor

output characteristics

output signal	0/4 .. 20 mA (measured value sensor 1 or sensor 2)
load	max. 500 Ohm
registration range	Free adjustable within the measuring range
serial interface	RS 485 (optional)
Baud rate	9600
data format	8 bit

power supply

line voltage 24/ 117/ 230 VAC, +/-10%, 40 .. 60 Hz
power consumption 10 VA

ambient conditions

ambient temperature operation 0 .. +50 °C , storage -20 .. +65 °C
relative humidity max. 90% rH at 40°C (non-condensing)
protection class

panel mounted housing IP 54 (front), IP 30 (housing)
wall mounted housing IP 65

controller

digital input Stop via external contact

certificates and approvals

CE-symbol Declaration of conformity: The product meets the requirements of the harmonized European standards. It thus complies with the legal requirements of the EC directives.

mechanical construction - panel mounted housing

material	Noryl
dimensions	90x90x116
installation dimensions	92x92x140
weight	0.75 kg
connection	Push-screw terminals

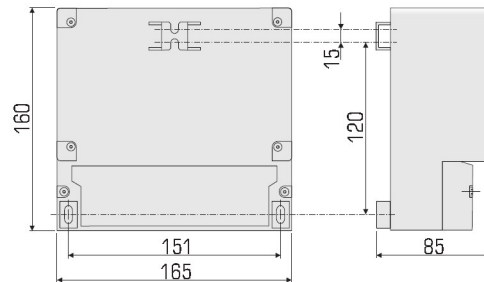
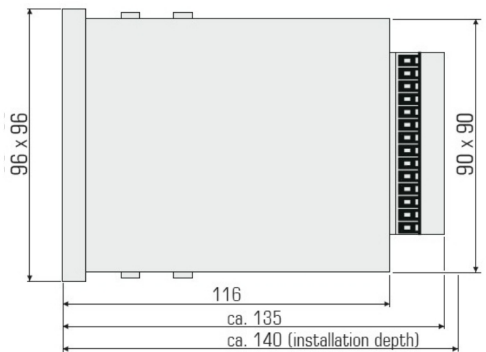
mechanical construction - wall mounted housing

material	ABS
dimensions	165x160x85
weight	0.95 kg
connection	Spring-loaded terminals



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order information

<u>name</u>	<u>description</u>	<u>article number</u>
K 100 GAS	Chlorine / Chlorine Dioxide/ Ozone gas, panel mounted housing, 230 VAC	100500K
K 100 W GAS	Chlorine / Chlorine Dioxide/ Ozone , wall mounted housing, 230 VAC	105500K

accessories

assemblies

GSH Gas sensor holder for one sensor of the GE 700 series including 10 m cable.

sensors

GE 710 CL2 Sensor for measuring Chlorine gas
 GE 715 CLO2 Sensor for measuring Chlorine Dioxide gas
 GE 760 O3 Sensor for measuring Ozone gas

accessories

RS 485 module K 100 W

