

# K 100 (W) GAS NH3

## ammonia 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**



# K 100 (W) GAS NH3

## ammonia gas measuring instrument

### technical data

#### measuring parameter

Ammonia Gas 0.00 .. 100.00 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, +6/-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

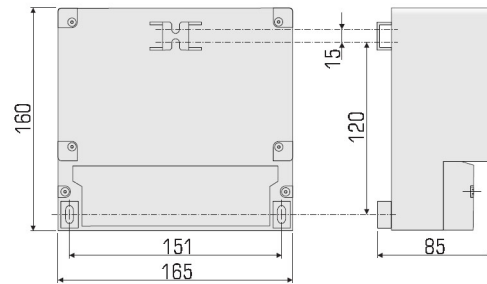
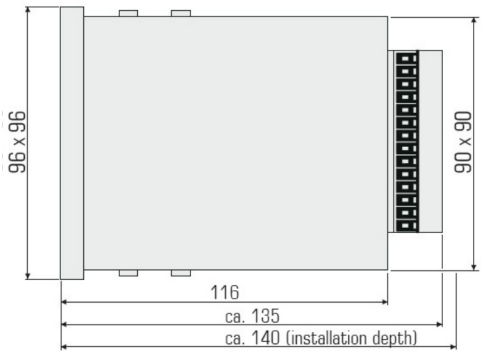
#### mechanical construction - wall mounted housing

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



# K 100 (W) GAS NH3

ammonia gas measuring instrument



## order information

<u>name</u>	<u>description</u>	<u>article number</u>
K 100 W GAS NH3	ammonia gas, wall mounted housing, 230 VAC	105513K

## accessories

### assemblies

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

GE 740 NH3	Sensor for measuring Ammonia gas
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### accessories

RS 485 module K 100 W
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