

K 100 (W) GAS H₂S

Hydrogen sulphide 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 H₂S

Hydrogen sulphide gas measuring instrument

technical data

measuring parameter

Hydrogen Sulphide Gas	0.00 .. 50.00 ppm
	0.00 .. 100.00 ppm

input characteristics

accuracy	Depending on the sensor
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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
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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. The manufacturer confirms successful testing of the product by affixing the CE symbol.
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mechanical construction - panel mounted housing

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

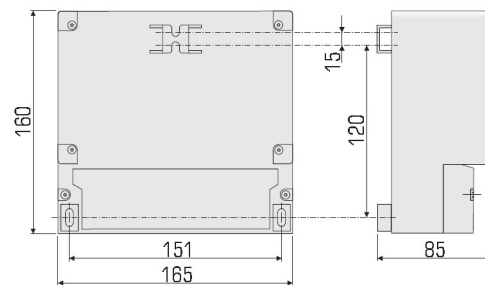
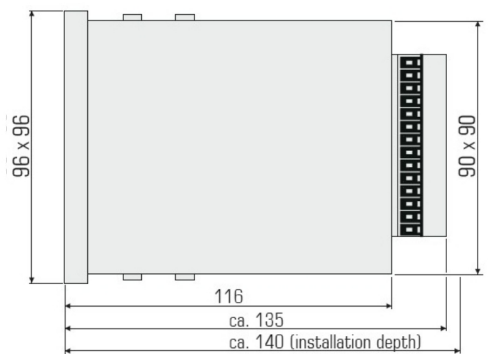
mechanical construction - wall mounted housing

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



K 100 (W) GAS H2S

Hydrogen sulphide gas measuring instrument



accessories

assemblies

GSH

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

sensors

GE 735 H2S

Sensor for measuring Hydrogen Sulphide gas

