Neon® GAS
Ambient air monitoring

Dual channel gas warning instrument

The Neon® GAS provides reliable gas detection in enclosed buildings such as indoor pools, spa areas, storage and exhaust systems. The device consists of a gas detector with touch display. In the standard version, up to two Zirkon® gas sensors can be connected to the Neon® GAS. In addition, there are two digital inputs and three potential-free contacts for detecting two different limit values as well as issuing a general fault signal. The device is available for mounting in a control panel and for wall mounting.

Neon's® gas detection can be monitored at any time, from any place, on any device via Kuntze's Cloud Connect® service. All Kuntze products are Made in Germany.

Applications

Industrial Water	Pool & Spa	TLV Monitoring	Warehouse Exhaust Air

Neon® GAS

Technical data

Measuring range

Chlorine Gas	Up to 10.00 ppm
Chlorine Dioxide Gas	Up to 1.00 ppm
Ozone Gas	Up to 1.00 ppm

Input characteristics

Limit of Quantitation	≥ 0.05 ppm
Temperature measuring range	0°.. +40.0 °C (32 °.. 104 °F)
Humidity	15.. 90 % (non-condensing)
Other influences	Avoid a sudden change in humidity or draught
Digital input	2 (e.g. for switch or door contact)

Output characteristics

Alarm relay	1 Potential-free N/O contact, max. 250 V, 6 A, 550 VA (invertable)
	2 Relays, each with a potential-free N/O contact, max 250 V, 6 A, 550 VA
Output signal	Option: 2 x 0/4 .. 20 mA (scaleable, galvanically isolated)
	Load: Max. 500 Ohm
	Registration range: Scaleable within the measuring range
Voltage output	2x ±6 V DC for sensors
Storage media	SD card up to 1 GB - Industry standard
Serial interface	Option: RS 485 Modbus RTU
	Baud rate: 19200 bps
	Data format: 8 bit

Power supply

Line voltage	85.. 265 V AC, +6/-10 %, 50.. 60 Hz; option: 24 V DC
Power consumption	10 VA

Process conditions

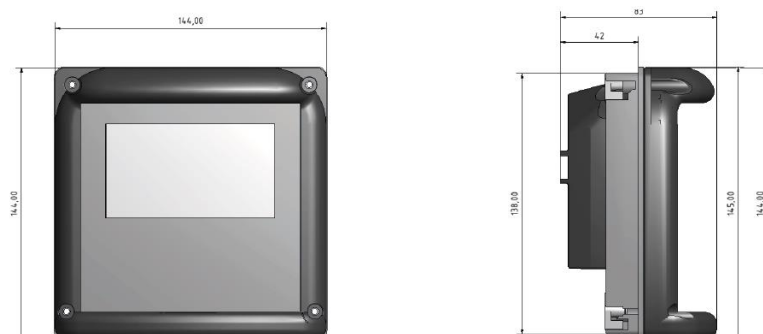|	
Temperature	Storage: -20 .. +65 °C (-4 ° .. +149 °F)
	Operation: 0 .. +50 °C (32 ° .. 122 °F)
Humidity	max. 90 % rH at 40 °C (non-condensing)
Protection class	Wall mounted: IP 65
	Panel mounted: IP 54 (front), IP 30 (housing)

Certificates and approval

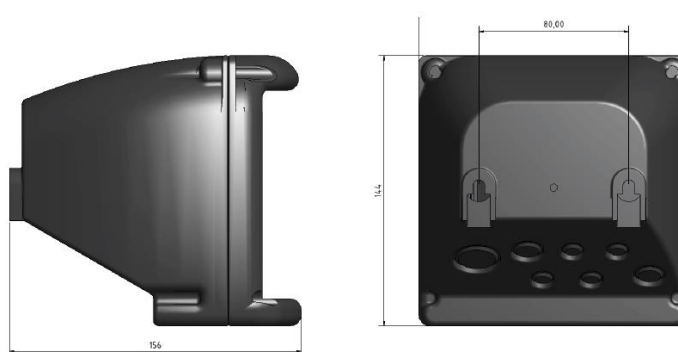|	
CE-Symbol	The product meets the requirements of the harmonized European standards and complies with the legal requirements of the EC directives
EMC	EN 61000 6-1 (3) EN 61000 6-2 (4) EN 61326-1

Design configuration

Material	ABS
Dimensions	Panel mounted housing: 138 x 138 x 83 mm (max. wall thickness: 5mm)
	Wall mounted houing: 144 x 144 x 156 mm
	Panel mounted housing: 138 x 138 x 42 mm
Weight	0.6 kg (Wall mounted housing: 1 kg)
Connection	Cable inlet: 2 x M16, 2 x M12 + optional: 2 x M12 and 1 x M25
	Plug-in terminal: Rigid / flexible 0.2 - 2.5 mm² / 0.2 - 2.5 mm²
	Measurement: Rigid / flexible 0.2 - 1 mm² / 0.2 - 1.5 mm²

Mechanical drawing

Neon® panel mounted

Neon® wall mounted

Article No.

142501KN   Neon® GAS 24 V DC – Neutral

142501K   Neon® GAS 24 V DC

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