



Gas sensor KSP 141

for detection of NH₃



Features

- The gas detector measures the selected gas concentration
- linearized and temperature-compensated 4-20 mA output signal
- 16...30 VDC supply voltage (2-wire or 3-wire cable)
- various gas sensor technologies available (electrochemical, Infrared, pellistor, semiconductor)
- factory calibration with calibration certificate to the specified measuring range
- Zero & Span potentiometers and calibration jack socket accessible from outside without opening the gas detector enclosure
- water- and dust-proof IP 65 enclosure
- rust-proof and acid-resistant steel enclosure
- Swiss-Made

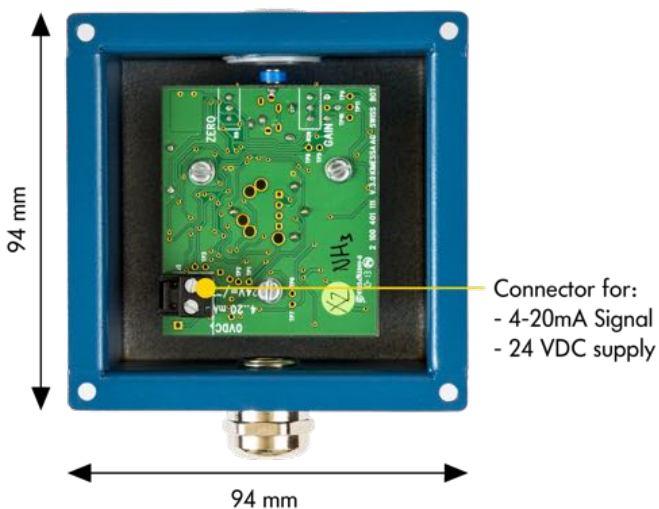
Gas sensor KSP 141

Gas:	Ammonia
Gas formula:	NH ₃
Warranty:	12 month warranty
Position:	mounting at ceiling

Sensor specifications

Measurement principle:	Pellistor
Measuring range:	0...100 % UEG (0...15 Vol. %)
Standard calibration:	0.3 Vol. %
Response time t ₉₀ :	< 60 sec
Operating temperature:	-30 °C ... +50 °C
Start up after reconditioning:	approx. 1 hour
Pressure range:	atmospheric ± 10%
Air humidity:	15...90 % R.H. non-condensing
Position sensitivity:	none
Long term output drift:	< 2% signal loss/month
Life span at 20 °C:	4-6 years, depending on the application

Electronic and Dimensions



Housing

Housing protection:	IP 65
Material:	rust-proof and acid-resistant
Weight:	600 g

Specifications electronic

Wiring analogue:	3x 0,75 mm ² , shielded
Supply:	13.5...30 VDC
Power consumption:	max. 170 mA
Output signal analogue:	4...20 mA
Switching output:	no

Specifications construction

Cable gland:	1x M16
Cable entry:	bottom
Tests:	CE
Display:	no
Position:	position independent

Inspection (Maintenance)

The sensor and the electronic require an inspection. Routine calibration is recommended once or twice a year.

