Specification echnical

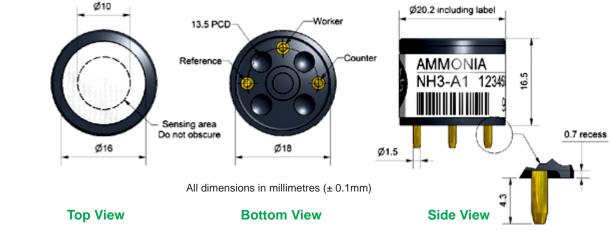
NH3-A1 Ammonia Sensor



<ND

ND





PERFORMANCE	Sensitivity Response time Zero current Resolution Range Linearity Overgas limit	nA/ppm in 50ppm NH ₃ t ₉₀ (s) from zero to 50ppm NH ₃ ppm equivalent in zero air RMS noise (ppm equivalent) ppm NH ₃ limit of performance warranty ppm error at full scale, linear at zero and 20ppm NH ₃ maximum ppm for stable response to gas pulse	17 to 27 <60 <20 <0.3 200 +1 to -10 1000
LIFETIME	Zero drift Sensitivity drift Operating life	ppm equivalent change/year in lab air % change/year in lab air, monthly test months until 80% original signal (24 month warranted)	<2 <3 >24
ENVIRONMENTA	Sensitivity @ -20°C	% (output @ -20°C/output @ 20°C) @ 20ppm % (output @ 50°C/output @ 20°C) @ 20ppm ppm equivalent change from 20°C	ND ND ND
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	Zero @ -20°C Zero @ 50°C	ppm equivalent change from 2 ppm equivalent change from 2	ND ND
CROSS SENSITIVITY	H ₂ S sensitivity NO ₂ sensitivity Cl ₂ sensitivity NO sensitivity SO ₂ sensitivity CO sensitivity H ₂ sensitivity	% measured gas @ 20ppm % measured gas @ 20ppm % measured gas @ 10ppm % measured gas @ 50ppm % measured gas @ 20ppm % measured gas @ 400ppm % measured gas @ 400ppm	<300 <-300 <-300 ND ND <20 <15

% measured gas @ 400ppm C₂H₄

 $C\bar{O}_2$

KEY SPECIFICATIONS

C₂H₄ sensitivity

CO₂ sensitivity

ALT OF LOW ICATIONS							
	Bias voltage	mV (Working Electrode potential is above ground)	+200				
	Temperature range	°C	-30 to 50				
	Pressure range	kPa	80 to 120				
	Humidity range	% rh continuous	15 to 90				
	Storage period	months @ 3 to 20°C (stored in sealed pot)	6				
	Load resistor	Ω (recommended)	10 to 47				
	Weight	q	<6				

% measured gas @ 5%

NOTE: all sensors are tested at ambient environmental conditions, with 10 ohm load resistor, unless otherwise stated. As applications of use are outside our control, the information provided is given without legal responsibility. Customers should test under their own conditions, to ensure that the sensors are suitable for their own requirements.