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# **DrägerSensor® XXS NH3**

### Order no. 68 10 888

Used in	Plug & Play	Replaceable	Guaranty	Expected sensor life	Selective filter
Dräger Pac 7000	no	yes	1 year	> 2 years	no
Dräger X-am 5000	no	yes	1 year	> 2 years	no
Dräger X-am 5600	no	yes	1 year	> 2 years	no

### MARKET SEGMENTS

Food and beverage, poultry farming, power generation, inorganic chemicals, fertilizer production, hazmat, fumigation, metal processing, petrochemical, pulp and paper.

# **TECHNICAL SPECIFICATIONS**

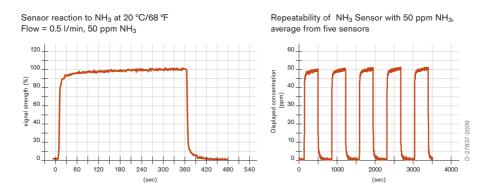
$\leq \pm 3\%$ of measured value		
≤ ± 5 ppm/year		
≤ ± 2% of measured value/month		
(-40 to 50)°C (-40 to 122)°F		
(10 to 90)% RH		
(700 to 1,300) hPa		
≤ ± 5 ppm		
$\leq \pm 5\%$ of measured value		
≤ ± 0.1 ppm/% RH		
≤ ± 0.2% of measured value/% RH		

\*Sudden temperature or humidity changes lead to dynamic effects (fluctuations).

These dynamic effects decrease within 2 to 3 minutes.

## SPECIAL CHARACTERISTICS

A fast response time and excellent repeatability are just two examples of this sensor's special characteristics.



The values shown in the following table are standard and apply to new sensors. The values maybe fluctuate by  $\pm$  30%. The sensor may also be sensitive to additional gases (for more information, please contact Dräger). Gas mixtures may be displayed as the sum of all components. Gases with a negative cross sensitivity may displace an existing concentration of NH<sub>3</sub>. To be sure, please check if gas mixtures are present.

## **RELEVANT CROSS-SENSITIVITIES**

Gas/vapor	Chem. symbol	Concentration	Display in ppm NH <sub>3</sub>
Carbon dioxide	CO <sub>2</sub>	10 Vol%	No effect
Carbon monoxide	CO	1,000 ppm	No effect
Chlorine	Cl <sub>2</sub>	10 ppm	≤ 30 (-)
Ethanol	C <sub>2</sub> H <sub>5</sub> OH	250 ppm	≤ 40   No effect   ≤ 4   ≤ 15 (-)   ≤ 70   No effect
Ethine	C <sub>2</sub> H <sub>2</sub>	100 ppm	
Hydrogen	H <sub>2</sub>	1,000 ppm	
Hydrogen chloride	HCI	20 ppm	
Hydrogen sulfide	H <sub>2</sub> S	20 ppm	
Isobutylene	(CH <sub>3</sub> ) <sub>2</sub> CCH <sub>2</sub>	100 ppm	
Methane CH <sub>4</sub>		0.9 Vol%	No effect
Nitrogen dioxide NO <sub>2</sub>		20 ppm	≤ 10 (-)
Nitrogen monoxide	NO	20 ppm	≤ 10
Ozone O <sub>3</sub>		0.5 ppm	No effect
Phosphine PH <sub>3</sub>		1 ppm	≤ 2
Sulfur dioxide SO <sub>2</sub>		20 ppm	No effect