

Ammonia (NH₃) DrägerSensor table

	NH ₃ LC	NH ₃ TL	NH ₃ FL
Part No	6809680	6813095	6813260
Gas	NH ₃	NH ₃	NH ₃
Measuring range limit			
Default	100ppm	100ppm	100ppm
Adjustment range min./max.	50/300 ppm for NH ₃	50/300 ppm for NH ₃	0/300 ppm for NH ₃
Detection limit	5 ppm	1 ppm	1 ppm
Alarm response time			
On gas exposure with 5x alarm threshold, t0...20	≤5 seconds	≤5 seconds	< 10 seconds
On gas exposure with 1.6x alarm threshold, t0...63	≤10 seconds	≤30 seconds	< 20 seconds
Calibration interval			
Default	6 months	6 months	6 months
Adjustment range min./max.	1 day/12 months	1 day/12 months	1 day/12 months
Warm-up-time	-	-	
Ready for operation after max.	120 minutes	15 minutes	15 minutes
Ready for calibration after max.	60 minutes	60 minutes	60 minutes
Measurement accuracy			
Measurement uncertainty (of meas. value) or	≤ ±5 %	≤ ±5 %	±5 %
Minimum (whichever is the greater value)	≤ ±1.5 ppm	≤ ±1.5 ppm	1 ppm
Loss of sensitivity, per year	≤ -15 %	≤ -15 %	< 10%
Expected service life in ambient air	>24 months	>24 months	> 24 months
Ambient conditions			
Temperature min./max.	-40/65 °C	-40/65 °C	-40/65 °C
Relative humidity, min./max.	5/95 %	15/95 %	15/95 %
Ambient pressure	±3%	±1 %	±5 hPa
Storage conditions	0/40 °C	0/40 °C	0/40 °C
Dust filter	68 09 595	69 12 224	68 12 224
Installation Orientation	Any direction	+/- 30° from Vertical	+/- 30° from Vertical
Transmitters			
Polytron® 2	✓	✓	x
Polytron® 3000	✓	✓	x
Polytron® 7000	✓	✓	x
Polytron® 5100		✓	x
Polytron® 8100	✓	✓	✓
Polytron® 6100	✓	✓	✓
PointGard 2100	✓	✓	✓