ST150xi NH3 Gas Detector (0-100 ppm, Aluminium)

Product reference	
Part No.	1221006/100
Manufacturer	Consilium Safety Netherlands B.V.
Model	ST150xi



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Product overview

Consilium ST150xi electrochemical fixed gas detector for NH3, 0-100 ppm. This is the international aluminium ordering option; refer to the original operating and connection instructions. The manufacturer image is a shared ST150xi family illustration; identify the ordered variant by its full article number.

Technical specifications

Brand	Consilium	Power supply	24-28 VDC (max. 3.6 watt)
Manufacturer	Consilium Safety Netherlands B.V.	Outputs	Analogue: 4-20 mA (<2.4 mA system failure, >20 mA overrange)
Model	ST150xi	Signal cable	2-wire mesh shielded, 0.75 … 2.5 mm2 (excluding earth connection and Modbus)
Manufacturer article number	1221006/100	Cable gland	Standard Brass, optional SS (thread M20 x 1.5)
Market	International	Load impedance	max. 165Ω at 24 VDC
Housing	Aluminium (international option)	Manufacturer general note — Operating temperature	See table “Order information”
Type	ST150xi-NH3	Manufacturer general note — Relative humidity	See table “Order information”
Gas	NH3	Pressure range	Toxic: Atmospheric ± 10%, Oxygen: 80 to 120 kPa
Range	0-100 ppm	Enclosure	Aluminum with coating, optional SS
Operating temperature	-20 to +50 °C	Dimensions	173 x 189 x 110 mm (HxWxD)
Relative humidity	15-90%	Weight	2.0 kg (Alu), 3.35 kg (SS)
Gas type	Oxygen and Toxic gases	Ingress Protection	IP 66 (excl sensor)
Sensor type	Electrochemical sensor	Enclosure gas sensor	SS 316
Manufacturer general note — Range	See table “Order information” for ranges	CE marking (International models)	Electromagnetic Compatibility (Directive 2014/30/EU)
Display	Digital graphic display with backlight	NH3 sensor limitation	The standard NH3 sensor is not suited for applications where continuous low concentrations of NH3 are present. The LL (Long Life) version is more resistant to above-average NH3 exposure and offers an extended lifetime.
Status LED display	Green: OK, Red: Alarm, Yellow: SF (System Failure), Blue: User menu active		