



SIL Declaration of Conformity

Automatikprodukter, Sweden declare under own responsibility that the listed gas detection apparatus are suitable for safety related applications if the enclosed instructions for safety are strictly followed.

The products mentioned under (2) beginning with the software version 1.00.17 and the hardware version S xxx have been developed and produced according to SIL2.

They fulfill the normative requirements mentioned in the requirements of following European regulations for functional safety:

EN 61508-1 to 3 (2010 – prEN 50402 (2015) / EN 50402 (2005)

Type Number Sxx/Mxx (Gas Leak Unit) & Xxx (Sensor Element)

The following hardware failure rates were determined for the complete device including sensor.		
Produkt (2)	Sxx/Mxx & Xxx (flammable gases)	Sxx/Mxx & Xxx (toxic gases)
Safety Function	From gas at inlet to relay output	
Measuring range	0 – 100% LEL	Depending of the type of gas
SIL	2	2
HFT	0	0
PFD	6.37×10^{-4}	1.690×10^{-7}
SFF	91.92%	91.55%
λ_{DU}	1.350×10^{-7} (per h)	1.690×10^{-7} (per h)
λ_{DD}	4.490×10^{-7} (per h)	4.460×10^{-7} (per h)
λ_{SU}	1.089×10^{-6} (per h)	1.380×10^{-6} (per h)
λ_{SD}	4.810×10^{-9} (per h)	6.910×10^{-9} (per h)
Proof test interval	≤ 1 year	≤ 1 year
MTTR	72 hours	72 hours

This certificate is only valid for above-mentioned model/type/specification of the products with the configuration specified in the technical files.

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ISO9001



Signed:



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