

## Type Approval Certificate

*This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the LR Type Approval System.*

This certificate is issued to:

<b>PRODUCER</b>	Schaller Automation Industrielle Automationstechnik GmbH & Co. KG
<b>PLACE OF PRODUCTION</b>	Industriering 14 66440 Blieskastel Germany
<b>DESCRIPTION</b>	Oil Mist Detector for Diesel Engines
<b>TYPE</b>	VISATRON® 87plus series  VN115/87plus VN116/87plus VN215/87plus  Software Version: V5.0x
<b>APPLICATION</b>	Marine, offshore and industrial applications for use in environmental categories ENV 1, ENV 2 and ENV4 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 2002.
<b>ADDITIONAL TESTS</b>	Low Temperature Test (5°C / 1h) Dry Heat Test (70°C / 1h)
<b>SPECIFIED STANDARDS</b>	Manufacturer's specification / IACS UR M67 / Rev.1 (October 2006)
<b>OTHER CONDITIONS</b>	The suitability of the installation of the Oil Mist Detector is to be demonstrated for each type of engine.
<b>Certificate No.</b>	09/20029
<b>Issue Date</b>	14 September 2009
<b>Expiry Date</b>	13 September 2014
<b>Sheet</b>	1 of 2

  
Jörn Brüggemann  
Hamburg Design Support Centre  
Lloyd's Register EMEA

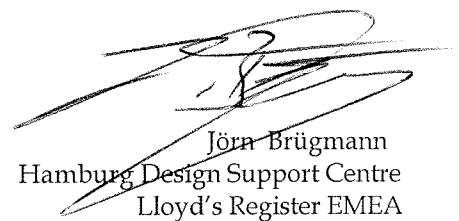
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*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."*

*The Design Appraisal Document No. ETS 21877-09 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

Certificate No.	09/20029
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