



Lloyd's
Register

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 Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER OPSIS AB

PLACE OF PRODUCTION Box 244
SE- 244 02 Furulund
Sweden

DESCRIPTION Gas measuring system using UV and IR reference methods

TYPE Opsis M800 comprises of

PRODUCT DESIGNATION

Item description	Marine designation	Land based designation
Cabinet	AC180M	-
	AC181M	-
Power Supply	PS150-01M	-
Analyser	AR600M	-
	AR620M	AR602Z/N
	AR650M	AR650/N
Optical Fibre Cable	OF60R	-
	OF100B	-
Emitter/Receiver	ER060M *)	-
	ER062M *)	-

Certificate No. 15/20111

Issue Date 07 October 2015

Expiry Date 06 October 2020

Sheet 1 of 2



Jörn Brüggemann
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
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APPLICATION	Marine, Industrial and Offshore applications for use in environmental categories ENV2 and ENV3 as defined in LR Test Specification No.1, 2014 where the Test Specification is satisfactory for the intended operation. Components are marked with *) intend for use in environmental category ENV4.
DESIGN CODE	Application is only for use in "General Power Distribution Zones". Manufacturer's Standard
OTHER CONDITIONS	Compliance with MARPOL Annex VI and/or NOx Technical Code 2008 has not been considered.

"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 attached Design Appraisal Document No. HTS/ETS 32521-15 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	15/20111
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Sheet	2 of 2



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