

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.

Manufacturer	Opsis AB
Address	Box 244, Furulund, 244 02, Sweden
Type	Fire And Gas Detection Alarm And Control Systems
Description	Gas measuring system using UV and IR reference methods
Trade Name	Opsis M800
Application	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV 2 and ENV3 as defined in Lloyd's Registers Type Approval System, Test Specification Number 1- 2013. Components marked *) intended for use in category ENV4.
Specified Standard	Manufacturer's Standard A41, Issue 10 2018 IACS unified requirements E10 (rev. 8 Feb. 2021)
Ratings	see appendix
Other Conditions	Application only for use in "General Power Distribution Zones". Compliance with MARPOL Annex VI and/or NOx Technical Code 2008 has not been considered.

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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 HTS/ETS 41498-21 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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Appendix

TYPES

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 ^{*)}	-