

# Statement of Compliance



[ Nox Sensor(MES 1001 MARPOL) ]

## General Information

<b>Date of Issue</b>	12 December 2022	<b>Date of Commencement</b>	05 December 2022
<b>Work's Order No.</b>	N/A	<b>Purchase Order No.</b>	N/A
<b>Place of Inspection</b>	Kolding, DENMARK	<b>Office</b>	Copenhagen Office
<b>Job ID</b>	CPH-M0422-22	<b>Quantity/Weight</b>	1 Pc(s)
<b>Manufacturer</b>	Danfoss IXA A/S		
<b>Purchaser</b>	N/A		
<b>Intended for</b>	Performance verification		
<b>Approval Status</b>	N/A		

## Particulars

1. Application : In situ emission sensor
2. Technology : UV absorption spectroscopy
3. Mounting flange : Circular, bolted connection
4. Power supply : 24 VDC
5. Communication interface : Modbus TCP/IP, RS-422
6. Measuring range
 

Component	Sensor type	Range
NO <sub>2</sub>	UV DOAS	0 ~ 500 ppm
NO	UV DOAS	0 ~ 1 500 ppm
NO <sub>x</sub>	Calculated	0 ~ 2 000 ppm

## Testing and Inspection

Test items below satisfied target values.

No.	Test Item	Target	Result	Remark
1	Accuracy	NTC 2008, Appendix III, Ch. 1.6	Acceptable	Witnessed & Reviewed
2	Precision	NTC 2008, Appendix III, Ch. 1.7	Acceptable	Witnessed & Reviewed
3	Noise	NTC 2008, Appendix III, Ch. 1.8	Acceptable	Witnessed & Reviewed
4	Zero and span drift	NTC 2008, Appendix III, Ch. 1.9, Ch. 1.10	Acceptable	Witnessed & Reviewed
5	Calibration curve	NTC 2008, Appendix IV, Ch. 5.5.1	Acceptable	Witnessed & Reviewed
6	Interference effect	NTC 2008, Appendix IV, Ch. 9	Acceptable	Witnessed & Reviewed
7	Reciprocating internal combustion engines – Exhaust emission measurement	ISO 8178-1:2006 Annex D	Acceptable	Reviewed
8	Factory audit	KR-rule	Acceptable	Witnessed

For details refer to the attached documents.

## Marking, Serial No. and Remarks

- Model No. MES 1001 MARPOL
- Valid for products not subject to KR classification requirements.



This statement is signed electronically in accordance with IMO FAL.5 /Circ.39/Rev.2. Validation and authentication of the statement can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No( ME23002514124) and statement No.(CPHIT-0001-22).



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*This Statement is issued to the above client to certify that the undersigned Surveyor did at their request attend the above place for the purpose of examining and testing the item of material, equipment or any other item covered by this certificate in accordance with NTC 2008, ISO8178-1:2006 Annex D and found it satisfactory.*

*This statement is a representation only that the item of material, equipment or any other item covered by this statement has been examined for compliance with the requirements or specification of this manufacturer. Nothing contained in this statement or in any report issued in contemplation of this statement shall be deemed to relieve any customers of this society or other entity of any warranty expressed or implied.*