



Notified Body authorised by
BSH 0800-S23/4822:013

Page 1 of 5
Certificate No: LR23363662MB
Issue Date: 08/07/2024
Expiry Date: 07/07/2029

EC Type Examination (Module B) Certificate

This is to certify that:

LLOYD'S REGISTER Marine Deutschland GmbH (LRMD), designated as a "notified body" based on the notification of the Federal Maritime and Hydrographic Agency of Germany, did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU and the valid Commission Implementing Regulation (EU) in force indicating design, construction and performance requirements and testing standards for marine equipment, subject to the conditions below and the attached Schedule which also forms part of this Certificate.

Manufacturer	Teledyne Gas Measurement Instruments Ltd
Address	Inchinnan Business Park, Renfrew, Scotland, PA4 9RG, United Kingdom
Reference	Marine Equipment Directive 214/90/EU, Regulation (EU) 2023/1667
Regulation Item (No. & Item Designation)	MED/3.30b Portable Oxygen Analysis and/or Gas Detection Equipment: - category 2: (explosive gas atmospheres)
Product Type	PS 200 Series
Product Description	Portable gas detector
Specified Standard	Type approval requirements: SOLAS 74 Reg. II-2/4, SOLAS 74 Reg. VI/3, SOLAS 74 Reg. XI-1/7. Carriage and performance requirements: SOLAS 74 Reg. II-2/4, SOLAS 74 Reg. VI/3, SOLAS 74 Reg. XI-1/7. IMO Res. MSC.98(73)-(FSS Code) 15, IMO MSC.1/Circ.1477, IMO MSC.1/Circ.1581. EN 50104:2019, EN IEC 60079-0:2018, incl. AC:2020, EN 60079-1:2014, incl.AC:2018-09, EN 60079-11:2012,

Lloyd's Register Marine Deutschland GmbH, Willy-Brandt-Straße 59-65, 20457 Hamburg, Germany.
A member of the Lloyd's Register group

Andrei Petrov

Electrical & Control - Lead Specialist
For and on behalf of Lloyd's Register Marine Deutschland GmbH (2923)

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Page 2 of 5

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EN 60079-29-1:2016 incl. A1:2022 and A11:2022,
EN 60945:2002 incl. IEC 60945 Corr. 1:2008, or IEC 60945:2002 incl. IEC 60945
Corr. 1:2008,
IEC 60092-504:2016,
IEC 60533:2015.

**Row of the Regulation
Item** Row 4 of 4

Trade Name PS 200 Series

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to and agreed with the notified body named on this certificate. The manufacturer should notify LRMD of any modification or changes to the equipment in order to obtain a valid Certificate.

Should the specified regulations or standards be amended during the period of validity of this certificate, the product is to be re-approved prior being placed on the market and on board vessels to which the amended regulations or standards apply.

The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D,E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Lloyd's Register Marine Deutschland
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR23363662MB

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

This certificate supersedes and is a renewal of Certificate Number 0525-MED-DE-LR2002880MB.

Approval Documentation

Certificate of Incorporation name Change Company No 25020 Teledyne Gas Measurement Instruments Ltd	20 Jan 2020
Intercompany sales and marketing support agreement	1 Jan 2021
Accreditation certificate for Gas Performance Testing Services Ltd. Issue No. 010	22 Aug 2022
Accreditation certificate for Leonardo UK Ltd Issue No. 044	28 Jul 2022
Accreditation certificate for Eurofins York Ltd Issue No. 128	20 Feb 2023
PS200 User Manual 64171 Revision 12.1	2020
PS200 Risk Assessment	Not Dated
ISO 9001:2015 Certificate No 0103866 Teledyne Gas Measurement Instruments Ltd	26 Aug 2021
67018A SIRA V2 iss 1	01 Nov 2006
64320-cert iss 1	11 Apr 2011
64290i1SCP ISS 2	08 Nov 2011
64321 SIRA CERT iss B	13 Apr 2011
64320-gerb iss 1	11 Apr 2011
64317 SIRA CERT iss G	03 Oct 2018
64290A SIRA CERT iss C	03 Jul 2012
64258A SIRA CERT iss A	29 Jul 2010
64250A SIRA CERT iss A	05 Aug 2010
Sira 11ATEX2041 Certificate, Issue 13	14 Apr 2022
MED 2023/1667 Justification Standard change from EN 60079-29-1:2016 to EN 60079-29-1:2016 A11:2022	29 Apr 2024
MED 2023/1667 Justification Standard change from EN IEC 60079-0:2012 incl. A11:2013 to EN IEC 60079-0:2018 incl. AC:2020	29 Apr 2024
MED 2023/1667 Justification Standard change from EN IEC 60079-0:2018 to EN IEC 60079-0:2018 +AC:2020	04 Jul 2024
MED 2023/1667 Justification Standard change from EN60079-1:2014 to EN60079-1:2014+AC:2018-09	08 Jul 2024

Test Reports

SIRA Certificate SIRA 00 ATEX M077	01 Feb 2022
Gas Performance Testing Services, L0035	17 Sep 2012
Gas Performance Testing Services, L0022	18 Jul 2011
Gas Performance Testing Services, L0023	18 Jul 2011
Gas Performance Testing Services, L0024, rev. 2	11 Nov 2011
Gas Performance Testing Services, L0024	20 Jul 2011

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Gas Performance Testing Services, L0039	25 Mar 2014
Gas Performance Testing Services, L0046	09 Sep 2019
Gas Performance Testing Services, L0048, rev.3	21 Aug 2023
York EMC Services Test Certificate, 3132TC1	01 Apr 2011
York EMC Services Test Certificate, 4794TC1	16 Nov 2017
York EMC Services Test Certificate, 5033TC1	09 Oct 2017
York EMC Services Test Report, 5032TR1	09 Oct 2018
York EMC Services Test Report, 4793TR1	16 Nov 2017
York EMC Services Test Report, 3131TR1	01 Apr 2011
Selex Galileo Test Report, 271103, Issue 2	18 Apr 2011
Report for the assessment of PS200 Software Lifecycle against EN50271:2018, Issue 1	04 Jul 2024
EMC Testing of PS200, No. ADDEMIS16PS200TR1, Issue 1	21 Jun 2024

Conditions of Certification

1. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place
2. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place
3. The manufacturer shall keep a copy of the EC type-examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for at least 10 years after the wheel mark has been affixed on the last product manufactured and in no case for a period shorter than the expected life of the marine equipment concerned.
4. Testing standards EN 60079-10-1: 2015, EN 60079-15: 2010 and EN 60079-26: 2015 mentioned in Annex A.1 of the directive 2014/90/EU are not applicable to this product.

SOFTWARE VERSION

PS200 - Version 1.48

Place of Production

Teledyne Gas Measurement Instruments Ltd - UK
Inchinnan Business Park
Renfrew
Scotland, PA4 9RG
United Kingdom (UK)

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Page 5 of 5
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A handwritten signature in blue ink, appearing to be 'A. Petrov', written over a horizontal line.

Andrei Petrov
Specialist
For and on behalf of Lloyd's Register Marine Deutschland
LRMD EC Distinguishing No. 2923

