



Marine & Offshore

Certificate number: 42993/C0 MED

File number: NAV5/29753/1

Item number: MED/4.7

USCG Module B number: 165.105 / EC2690

This certificate is not valid when presented without the full attached schedule composed of 7 sections
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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2020/1170 of 16 July 2020

This certificate is issued to:

John Lilley & Gillie Ltd

North Shields - UNITED KINGDOM

for the type of product

SPEED AND DISTANCE MEASURING EQUIPMENT (SDME)

WALKER TYPE 4020 SPEED LOG SYSTEM

Requirements:

SOLAS 74 Convention as amended, Regulations V/18, V/19 and X/3

IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 13

IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 13

IMO Res. A.694(17), A.824(19)

IMO Res. MSC.191(79), MSC.302(87)

IEC 60945 (2002) + /Corr. 1 (2008),

IEC 61023 (2007),

IEC 61162 series: IEC 61162-1 (2016) - IEC 61162-2 ed1.0 (1998-09) - IEC 61162-3 ed1.2 Consol. with am1 ed. 1.0 (2010-11)

and am2 ed. 1.0 (2014-07) - IEC 61162-450:2018,

IEC 62288 Ed. 2.0 (2014-07).

IEC 62923-1:2018,

IEC 62923-2:2018.

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.


This certificate is a renewal of certificate N° 42993/B0 MED expiring on 29/08/2021

This certificate will expire on: 02 Jul 2026**For Bureau Veritas Marine & Offshore Notified Body 2690,**

At BV LONDON, on 02 Jul 2021,

Spencer Yule



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

- Product model or type designation :
WALKER TYPE 4020 SPEED LOG SYSTEM
- Product description:
Speed and Distance Measuring Equipment

1.1 - Standard Configuration

Name	Unit Ref
Control/Display Unit	- P282
LogData Display	- P1248
Transducer - Fixed	- P57 (Steel Hull) - P207 (Wood Hull/ GRP Hull) - P208 (Alloy Hull) - P246
Transducer - Retractable	- P99 (Steel Hull) - P201 (Wood Hull/ GRP Hull)
Sea Valve	- P98

1.2 - Software versions:

Control/Display Unit P282: Version 2.06.XX

2. DOCUMENTS AND DRAWINGS:

Documents and drawings submitted by John Lilley & Gillie Ltd are listed in file number: NAV5/29753/1.

- 2.1 - Moulding detail control unit case 828 autopilot - 20886-000 Rev.E
- 2.2 - Moulding detail bezel 628G autopilot - 20915-000 Rev. B
- 2.3 - General arrangement 4020 control unit - 3335-2-1 Rev.5
- 2.4 - Layout of cable clips visible from open lid - 3335-2-16 Rev.2
- 2.5 - Layout of components - 3390-A3-4 Rev.3
- 2.6 - Transducer PCB assy - F-1495S Rev.9
- 2.7 - LCD control panel PCB assy - F1820 Rev.2
- 2.8 - 4020 keypad PCB - F-1878 Rev.1
- 2.9 - 100V transducer PCB assy - 01-026-282 Rev.15
- 2.10 - PCB assy keyboard 4020 - 01-029-282 Rev.1
- 2.11 - LCD control PCB assy 4020 - 01-030-282 Rev.4
- 2.12 - Calibration keyboard assy - 01-100-282 Rev.13
- 2.13 - 4020 microprocessor PCB assy - 01-127-282 Rev.15
- 2.14 - 4020 control unit - P282 Rev.23
- 2.15 - 4020 Installation & Operation Handbook ECO0082 - Issue 4 - Revision 2 - 11/11/2015
- 2.16 - Log data display - P1248 Rev.10
- 2.17 - TCF - TRANSDUCERS - 28/09/2015
- 2.18 - NMEA Interface PCB - 3390-SCH-10 Rev.2
- 2.19 - Rear CPU PCB - 3418-SCH-4 Rev.1
- 2.20 - 7070 100V Log PCB - F-1505 Rev.9
- 2.21 - Risk Assessment on 4020 & 7070 Log issued by Lilley & Gillie and dated 12 Nov 2020

3. TEST REPORTS:

Test Reports submitted by John Lilley & Gillie Ltd are listed in file number: NAV5/29753/1.

- 3.1 - Dry Heat - P282-ENV-DHF-1 - 24/04/2015
- 3.2 - Low Temperature - P282-ENV-LOP-1 - 28/04/2015
- 3.3 - Vibration - P282-ENV-VIB-1 - 24/04/2015
- 3.4 - Interface - P282-NME-ITF-1 - 23/04/2015
- 3.5 - Power Supply - P282-PWS-EXC-1 - 12/05/2015
- 3.6 - Power Supply - P282-PWS-EXT-1 - 11/05/2015
- 3.7 - Power Supply - P282-PWS-NOR-1 - 24/07/2015
- 3.8 - SDME - P282-SDME-1 - 06/08/2015
- 3.9 - Protection - P282-SFP-ADV-1 - 17/04/2015
- 3.10 - Acoustic Noise - P282-SPT-ANS-1 - 21/04/2015
- 3.11 - Compass Safe Distance - P282-SPT-CSD-1 - 06/07/2015
- 3.12 - Display - P282-62288-1 - 27/08/2015

- 3.13 - Conducted Emissions - P282-EMC-COE-1 - 03/08/2015
- 3.14 - Conducted Immunity - P282-EMC-COI-1 - 05/08/2015
- 3.15 - ESD Immunity - P282-EMC-ESD-1 - 16/04/2015
- 3.16 - Fast Transients - P282-EMC-FTR-1 - 16/07/2015
- 3.17 - Power Failure - P282-EMC-PFA-1 - 24/07/2015
- 3.18 - Radiated Emissions - P282-EMC-RAE-1 - 17/04/2015
- 3.19 - Radiated Immunity - P282-EMC-RAI-1 - 17/07/2015
- 3.20 - Damp Heat - P282-ENV-DAM-1 - 13/05/2015
- 3.21 - Radiated Emissions - EMC-RAE-P1248 - 11/01/2010
- 3.22 - Vibration - ENV-VIB-P1248 - 04/01/2010
- 3.23 - Power Failure - EMC-PFA-P1248 - 11/01/2010
- 3.24 - Conducted Emissions - EMC-COE-P1248 - 21/01/2010
- 3.25 - Conducted Immunity - EMC-COI-P1248 - 19/01/2010
- 3.26 - ESD Immunity - EMC-ESD-P1248 - 16/12/2009
- 3.27 - Fast Transients - EMC-FTR1248 - 01/06/2009
- 3.28 - Radiated Immunity - EMC-RAI-P1248 - 04/01/2010
- 3.29 - Damp Heat - ENV-DAM0010-P1248 - 01/03/2010
- 3.30 - Dry Heat - ENV-DHF-P1248 - 26/01/2010
- 3.31 - Low Temperature - ENV-LOP-P1248 - 10/02/2010
- 3.32 - Interface - NME-ITF-0001 - 03/03/2010
- 3.33 - Compass Safe Distance - P1248-SPT-CSD-1 - 06/07/2015
- 3.34 - Display - P1248-62288-1 - 27/08/2015
- 3.35 - Interface - P1248-NME-ITF-2 - 23/04/2015
- 3.36 - Power Supply - PWS-EXC-P1248 - 06/01/2010
- 3.37 - Power Supply - PWS-EXT-P1248 - 06/01/2010
- 3.38 - Power Supply - PWS-NOR-P1248 - 05/01/2010
- 3.39 - SDME - SDME-0001 - 05/03/2010
- 3.40 - Protection - SFP-ADV-P1248 - 11/01/2010
- 3.41 - Acoustic Noise - SPT-ANS-P1248 - 11/01/2010

For modification A1 version:

John Lilley & Gillie Ltd:

- P207, P208, P246 transducers pressure test Ref.: TP289 Issue:2, dated Apr 22, 2016 - witnessed by BV Surveyor
- P201 transducer pressure test Ref.: TP292 Issue:2, dated Apr 22, 2016 - witnessed by BV Surveyor
- P201 transducer vibration test Ref.: P201-ENV-VIB-1, dated Apr 22, 2016 - witnessed by BV Surveyor
- P207 transducer vibration test Ref.: P207-ENV-VIB-1, dated Apr 22, 2016 - witnessed by BV Surveyor
- P246 transducer vibration test Ref.: P246-ENV-VIB-1, dated Apr 22, 2016 - witnessed by BV Surveyor

4. APPLICATION / LIMITATION:

As per requirements of regulations stated on the front page of the certificate and according to the manufacturer's specifications.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D Production Quality Assurance or module E Product Quality Assurance or module F Product Verification of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

5.2 - For information concerning the production phase modules, **John Lilley & Gillie Ltd - UK** has declared the following manufacturing site(s):

John Lilley & Gillie Ltd - UK
8 Neptune Court
Orion Business Park
North Shields
Tyne & Wear
UNITED KINGDOM

6. MARKING OF PRODUCT:

- 6.1 - Maker's name or trade mark,
 - Serial number of the units,
 - Equipment type number or model identification under which it was type-tested,
 - Compass minimum safe distance according to IEC 60945.

6.2 - Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2

digits).

6.3 - In pursuance of the EU/US MRA+, and in accordance with the Council Decision 2004/425/EC of 21 April 2004 amended by Decision 1/2018 of 18 February 2019, the product(s) marked as per MED 2014/90/EU may be marked with the USCG conformity marking as authorized by the Notified Body undertaking surveillance module.

7. OTHERS:

7.1 - It is **John Lilley & Gillie Ltd - UK**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate No. 42993/B0 MED issued on 15 Jan 2021 by the Society.

*** END OF CERTIFICATE ***