# Declaration of Conformity

# Guardian Monitor

This document confirms the articles listed conform with the standards and requirements described below.

| Part Number | Product Name | Barcode |
|---|---|---|
| BGUSTD02 | Bluelab Guardian Monitor Wi-Fi | 09421024922894 |
| BGUNLN02 | Bluelab Guardian Monitor Inline Wi-Fi | 09421024922924 |

## Product Description

A fixed device to monitor pH, Conductivity and temperature of a reservoir / tank. Powered from a mains power supply that delivers 5 V, 1 A. Connected to the internet via Wi-Fi, with the ability to have Wi-Fi settings provisioned via Bluetooth.

## Product Ratings and Markings (if relevant)

| | BGUSTD02 and BGUNLN02 |
|---|---|
| Input (Power supply) | 100 to 240 VAC, at 50/60 Hz 0.3 A |
| Output (Power supply) | 7.5 W, 5 V, 1.5 A. |
| Input (Product) | 5 V, 1 A |
| Wi-Fi / Bluetooth Module | FCC ID 2AC7Z-ESPS3WROOM1<br>IC 21098-ESPS3WROOM1 |
| Markings | CE, FCC, WEEE,<br>Japan Radio Certifications Mark |
| Supported Languages | English |



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| Standard / Requirement | Reference | Notes |
|---|---|---|
| **IEC 61010-1:2010 +A1:2016**<br>AS 61010.1-2003 (R2016)<br>EN 61010-1:2010 +A1:2019<br>BS EN 61010-1:2010 +A1:2019<br>UL 61010-1 3rd Ed. +A1:2018<br>CSA C22.2 No. 61010-1-12 (R2022) | ACT NZ LTD (Auckland Laboratories)<br>Test report<br>ACTE202211240<br>Issued 28th February 2023 | The received samples of Bluelab Guardian Monitor fulfil the requirements of the Standard IEC 61010-1:2010 + A1:2016 |
| **European Electromagnetic Compatibility Directive 2014/30/EU**<br>BS EN 61326-1:2021<br>BS EN IEC 61000-3-2:2019+A1:2021<br>BS EN 61000-3-3:2013+A2:2021<br>**European Radio Equipment Directive 2014/53/EU**<br>Article 3.1a): Health and Safety<br>EN IEC 62311:2020<br>EN 50665:2017<br>Article 3.1b) Electromagnetic Compatibility<br>ETSI EN 301 489-1 V2.2.3 (2019-11)<br>ETSI EN 301 489-17 V3.2.4 (2020-09)<br>Article 3.2: Effective Use of Radio Spectrum<br>ETSI EN 300 328 V2.2.2 (2019-07) | Waltek Testing Group (Shenzen) Verification of Conformity / Test Reports<br>WTF22X12261435W<br>WTF22X12261435W001<br>WTF22X12261435W002<br>WTF22X12261435W003<br>WTF22X12261435W004<br>Issued 3rd April 2023 | The above product has been tested and found in compliance with the essential requirements of the European Electromagnetic Compatibility Directive 2014/30/EU and the Radio Equipment Directive 2014/53/EU. Compliance with the listed harmonised standards supports the use of the CE marking for this equipment. |
| **AS/NZS EMC and RF Standards**<br>AS/NZS 4268:2017<br>AS/NZS 2772.2:2016+A1:2018<br>EN IEC 62311:2020<br>AS/NZS CISPR 32:2015+A1:2020 | Waltex Testing Group (Shenzhen) Co. Ltd Test reports<br>WTF22X12261436W<br>WTF22X12261436W001<br>WTF22X12261436W002<br>WTF22X12261436W003<br>WTF22X12261436W004<br>Issued 3rd April 2023 | The above product has been tested and found in compliance with the relevant Australian and New Zealand standards for electromagnetic compatibility and radiofrequency exposure. |
| **FCC Title 47, Part 15,**<br>Part 15 - Radio Frequency Devices<br>Sub part B | Waltek Testing Group (Shenzen) Verification of Conformity / Test Reports<br>WTF22X12261437W<br>WTF22X12261437W001<br>WTF22X12261437W002<br>WTF22X12261437W003<br>Issued 3rd April 2023 | The above product has been tested and found in compliance with the Code of Federal Regulations, Title 47- Telecommunications, FCC Rules and Regulations Part 15, Subpart B and the measurement procedure according to ANSI C63.4:2014. |
| **CAN ICES-003 Issue 7, Oct 15 2020**<br>(B)/NMB-003(B)<br>RSS-247 Issue 3 (2023-08) | Waltex Testing Group (Shenzhen) Co. Ltd Test reports<br>WTF22X12261438W001<br>WTF22X12261438W002<br>WTF22X12261438W003<br>Issued 3rd April 2023 | The above product has been tested with the listed standards and found in compliance with the Code of Industry Canada ICES-003 and the measurement Procedure according to ANSI C63.4-2014 and ANSI C63.4a-2017 |
| **All**<br>Relating to BGUNLN02 variant. | Product Equivalency Statement<br>Issued 25th May 2023 | BGUNLN02 is a variation of BGUSTD02, that is technically identical and will have identical EMC characteristics. |



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|---|---|---|
| **RoHS for EEE Directive 2011/65/EU and (EU)2015/863**<br>**EU WEEE Directive 2012/19/EU** | Refer RoHS declaration letter. Signed Gist Enterprise Co., Ltd Issued 19 September 2024<br>Bluelab Registration Information Electronic Waste (WEEE) Revision 24 May. 23 | We hereby declare that this product complies with the requirements of the RoHS Directive 2011/65/EU, as amended by (EU) 2015/863, which restricts the use of certain hazardous substances in electrical and electronic equipment.<br><br>Management of end-of-life equipment is handled in accordance with the Waste Electrical and Electronic Equipment (WEEE) Directive 2012/19/EU through authorized in-market partners. For further details, please refer to the Bluelab WEEE registration documentation. |

As an authorized representative of Bluelab Corporation Limited, I hereby declare that the equipment and models specified above comply with the applicable essential requirements of the directives and documents referenced above and carry the appropriate markings.

**Signed** S Ward **Date** **1 August 2025**

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