

**Attestation of application standards in according to  
essential Requirements directive 2014/30 and directive 2014/35**

*Constructor:*

BEINAT S.r.l.  
Via Fatebenefratelli 122/C  
10077 San Maurizio Canavese (TO)

*Name of Object:*

BX150 REV5

The product in object has been tested by EMC test in according to EN 50270:2015.

The complete test report, no. 22098\_EMC, is available at testing laboratory as well as at the manufacturer itself.

The product in object has been tested by LVD test in according to EN 61010-1:20210 + A1:2019.

The complete test report, no. 22098\_LVD, is available at testing laboratory as well as at the manufacturer itself.

Druento, 2023-02-14

.....  
  
(Cristina Mondì)

E.U.T.: BX150 modular gas sensor unit

**TEST REPORT**

**IEC 61010-1**

**Safety requirements for electrical equipment for measurement,  
 control, and laboratory use - Part 1: General requirements**

**Report Number.** ..... : 22098

**Date of issue** ..... : 15 December 2022

**Total number of pages** ..... : 99

**Compiled by** ..... :

(Safety technical operator)

Luca Garino

**Approved by** ..... :

(Laboratory manager)

Cristina Mondì

**Name of Testing Laboratory**

**preparing the Report**..... :

TESEO S.p.A.

Corso Alexander Fleming, 25/27/29 10040 Druento (TO) - ITALY

**Applicant's name** ..... :

BEINAT S.r.l

**Address** ..... :

Via Fatebenefratelli, 122/C  
 10077 San Maurizio Canavese  
 Torino – Italia info@beinat.com

**Test specification:**

**Standard** ..... : EN 61010-1:2010 + A1:2019

**Test procedure** ..... : BS IEC EN 61010-1:2010 +A1:2019

**Cross-reference EU standard** ..... : IEC 61010-1 :2010 +A1 :2019

**Test item**

**Description** ..... : modular gas sensor unit

**Trademark**..... :



**Model and/or type reference (tested)** : BX 150 s/n 001581

**Manufacturer** ..... : BEINAT S.r.l

**Rating(s)**..... : 230- 240 Vac 50-60 Hz 3Watt (optional secondary supply 12 Vdc)

**Test Result(s)**..... : For further details, pls. refer to the following pages

**General disclaimer:**

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the Issuing TESEO Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting TESEO S.p.A., responsible for this Test Report.

*E.U.T.: BX150 modular gas sensor unit*

## Test report

Regarding CE marking and the European approval process we based our analysis and test in order to meet the LVD requirements approved by CENELEC and harmonized in the Official Journal under the 2014/35/EU Low Voltage Directive, the following standards will be cited:

Last OJ generated on 22/06/2021

First publication : OJ ref. C 249 issued 08/09/2017

EN 61010-1:2010 + A1: 2019

Safety requirements for electrical equipment for measurement, control, and laboratory use

Part 1: General requirements

The same report can be used to demonstrate the conformity to the UK Standard(s) accordingly with British Standard Institute publications:

Last UK publication related UKCA mark: Radio Equipment Regulation 2017

BS IEC EN 61010-1:2010 +A1:2019

Safety requirements for electrical equipment for measurement, control, and laboratory use

Part 1: General requirements

The EUT identified in this Test Report has been tested by our LVD Laboratory and found in compliance with the requirements of the Standard mentioned in the cover page.

The test record, data and evaluation, EUT configurations represented herein are true and accurate accounts of the measurements of the sample's LVD characteristics under the conditions specified in this report.

The test data is valid only for the test sample. There is possible deviation from the original test data for other products made in different lots.

No modification to the EUT was made by the Client or by the Laboratory to make sure the EUT comply with applicable limits.

**E.U.T.: BX 150 modular gas sensor unit**

**Test item particulars:**

|  |   |
|--|---|
| Type of item .....                             | Measurement / Control / Laboratory  |
| Description of equipment function .....        | Gas sensor  |
| Connection to MAINS supply .....               | Permanent / <del>Detachable cord set</del><br>Non detachable cord set / None / Battery operated |
| Overvoltage category .....                     | II / III / IV (considered for Charger)  |
| Pollution degree .....                         | PD2   |
| Means of protection .....                      | Class I (PE connected) / <del>Class II (isolated)</del> (charger)                               |
| Environmental conditions .....                 | <del>Normal</del> / Extended (Specify): -10 + 60°C Hr 95%                                       |
| For use in wet locations .....                 | Yes / No  |
| Equipment mobility .....                       | <del>Portable / Hand-held / Floor-standing / Fixed</del> / Built-in                             |
| Operating conditions .....                     | Continuous / <del>Short-time</del> / Intermittent   |
| Overall size of equipment (W x D x H) .....    | 112x96x48   |
| Mass of equipment (kg) .....                   | Lack weight   |
| Marked degree of protection to IEC 60529 ..... | IP 44   |

### Possible test case verdicts:

- Test case does not apply to the test object .....: N/A (Not Applicable)
- Test object does meet the requirement.....: P (Pass)
- Test object does not meet the requirement .....: F (Fail)

### Testing:

**Date of receipt of test item.....:** 12 December 2022

**Date (s) of performance of tests .....** 12 December 29 December

## General remarks:

The test results presented in this report relate only to the object tested.  
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"(see ENCLOSURE #)" refers to additional information appended to the report.  
"(see Form A.xx)" refers to a Table appended to the report.  
Bottom lines for measurement Tables Forms A.xx are optional if used as record.

Throughout this report a ☒ comma / ☐ point is used as the decimal separator.

**Manufacturer's Declaration per sub-clause 4.2.5 of IECCE 02:**

TRF No. IEC61010-1L

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