

IEC 62262:2002+AMD1:2021
Measurement and Test Report

For

DongGuan Ever Glory Photoelectric Co.,Ltd

No.1, BaiWang Tech Park, ChuangXin Road, GaoBu Town, DongGuan City, China

Model: EG-31.5-231-1609V1

This Report Concerns:

☒ Original Report

Equipment Type:

Touch screen monitor

IK CODE : IK11

Compiled by: Will Wang

Test Date: 2025-04-14

Report Date: 2025-04-15

Reviewed By: Harrison Huang

Testing location: No.12, Pulong East 1st Road, Tangxia Town, Dongguan,
Guangdong, China

Prepared By: **Bay Area Compliance Laboratories Corp. (Dongguan)**

No.12, Pulong East 1st Road, Tangxia Town,
Dongguan, Guangdong, China.

Tel: +86-0769-86858888

TABLE OF CONTENTS

1. GENERAL INFORMATION 3

 1.1 Product Description for Equipment under Test (EUT)..... 3

 1.2 Objective..... 3

 1.3 Test Method..... 3

 1.4 Equipment Under Test (EUT)..... 3

2. MECHANICAL IMPACT TEST 4

 2.1 Test Method..... 4

 2.2 Test Procedure 4

 2.3Test Results..... 4

3. PHOTOGRAPHS..... 5

 3.1 EUT photo- Overall view..... 5

 3.2 EUT photo- Side view..... 5

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

"EUT" as referred in this report is Touch screen monitor, the test model is EG-31.5-231-1609V1.

1.2 Objective

The following Declaration of Conformity of a device is prepared on behalf of the applicant, which is accordance with IEC 62262:2002+AMD1:2021.

1.3 Test Method

All tests contained in this report are conducted with IEC 62262:2002+AMD1:2021.

All tests are performed at Bay Area Compliance Laboratories Corp. (Dongguan).

1.4 Equipment Under Test (EUT)

Manufacturer	Description	Model	Brand
DongGuan Ever Glory Photoelectric Co.,Ltd	Touch screen monitor	EG-31.5-231-1609V1	N/A
Address	No.1, BaiWang Tech Park, ChuangXin Road, GaoBu Town, DongGuan City , China		

2. Mechanical impact test

2.1 Test Method

I. IK code and mechanical impact energy

Table 1 – Relation between IK code and impact energy

IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10	IK11
Impact Energy, J	* ^a	0,14	0,2	0,35	0,5	0,7	1	2	5	10	20	50
* ^a Not protected according to this document.												

II. This test was done by using the apparatus described in IEC 60068-2-75. During the test, the enclosure was mounted on a rigid support, according to the manufacturer's instructions for use. A support is considered to be sufficiently rigid if its displacement is less than or equal to 0.1mm under the effect of an impact directly applied and whose energy corresponds to the degree of protection. Use the right energy value as required to strike the selected area on the enclosure surface, and the number of impacts was five on each exposed face unless otherwise specified in the relevant product standard.

2.2 Test Procedure

1. Check the function and appearance before test.
2. Mount the EUT on the test surface.
3. Choose the right striking elements to do the test.
4. Check the enclosure surface after test.

2.3 Test Results

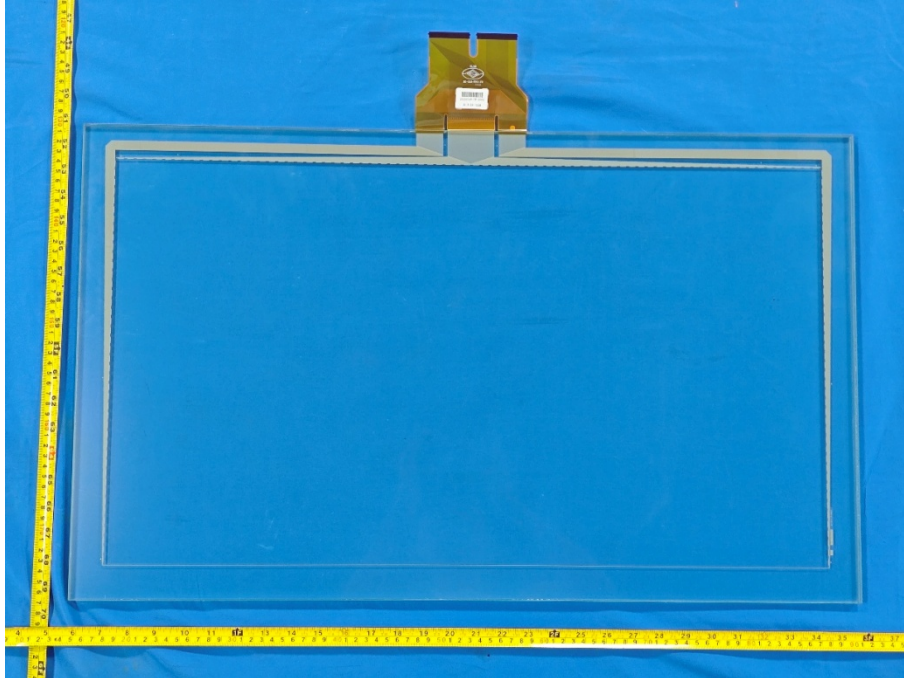
Sample No.: 317A-1	50J (IK11)
Appearance	P

Note: F: Fail; P: Pass

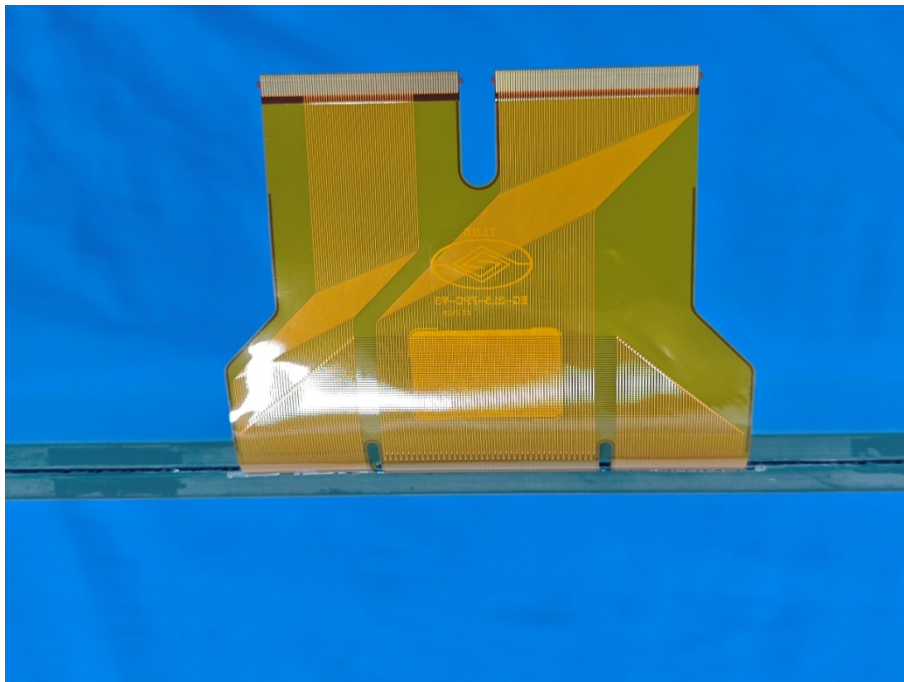
Result: The IK code of the sample comply with level-IK11.

3. PHOTOGRAPHS

3.1 EUT photo- Overall view



3.2 EUT photo- Side view



Directions

1. The information marked # is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
2. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
3. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.
5. This report cannot be reproduced except in full, without prior written approval of the Company.
6. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
7. For the difference between the tested model and the multiple models, the applicant had provided a statement and promised to be responsible for its authenticity. The laboratory has confirmed the difference of relevant samples before testing.

*******End of report *******