


# TEST REPORT

**Sample Name:** Reader  
**Trademark:** ACX  
**Applicant Name:** Matrix Research Limited  
**Manufacturer:** Matrix Research Limited  
**Supplier:** /  
**Buyer:** /

Signed for and on behalf of  
Shenzhen BCTC Technology Co., Ltd.

Tested by Len Xue Inspected by Len Li

Approved by Alex BCTC Date Jul. 14, 2016



**Applicant Name:** Matrix Research Limited  
**Address:** Unit 22, 16/F, Block A, Hi-Tech Industrial Centre,  
5-21 Pak Tin Par Street, Tsuen Wan, Hong Kong  
**Manufacturer:** Matrix Research Limited  
**Address:** Unit 22, 16/F, Block A, Hi-Tech Industrial Centre,  
5-21 Pak Tin Par Street, Tsuen Wan, Hong Kong

**Sample Information:**

**Sample Name:** Reader  
**Sample No.:** 160404225  
**Sample Model:** F4  
F3, F5, F6, S1, S2  
**Sample Size:** /  
**Sample Weight:** 131g  
**Sample Quantity:** 8  
**Sample Description:** Normal

**Test Information:**

|                         |               |
|-------------------------|---------------|
| <b>Test Item:</b>       | IK06          |
| <b>Receive Day:</b>     | Jul. 07, 2016 |
| <b>Testing Day:</b>     | Jul. 14, 2016 |
| <b>Preconditioning:</b> | /             |

**Test Item 1: IK06**

1. Test Standard: IEC 62262: 2002

2. Test Equipment:

| Equipment Name  | Equipment Model | Equipment No. | Calibration Useful-life |
|-----------------|-----------------|---------------|-------------------------|
| Vertical Hammer | FZ-1214         | BCTC043       | Nov 25, 2016            |
| Steel Ruler     | FZ-1112A        | BCTC029       | Dec 01, 2016            |

**Test conclusion :**

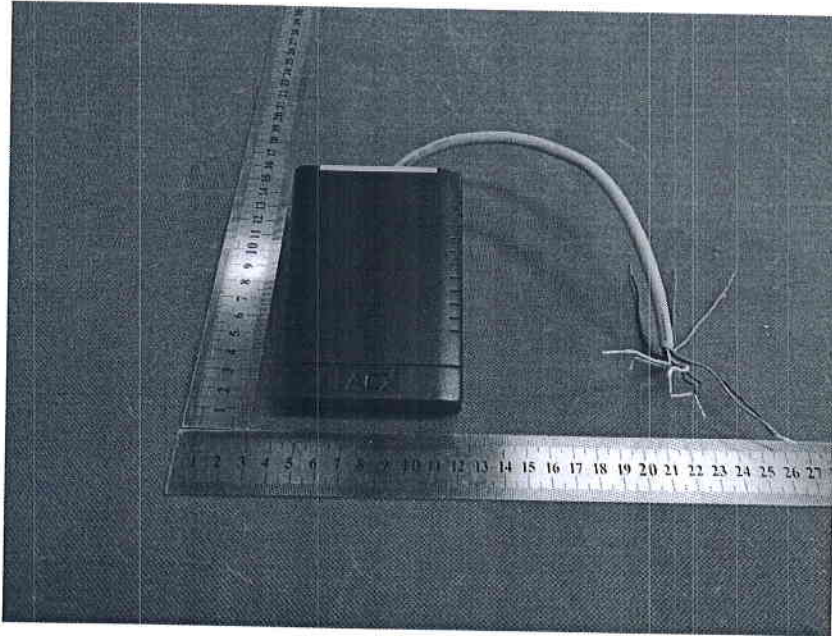
According to IEC 62262:2002 "Degrees of Protection Provided by Enclosures for Electrical Equipment Against External Mechanical Impacts (IK code)" and technical requirement of client, the mechanical impact test (IK 06) has been conducted on the sample.

| Mechanical impacts test   |  |          |
|---|--|----------|
| Item and requirement of test  | Result of test   | Verdict  |
| <p><u>Mechanical impact test</u></p> <p>According to the test requirement of IEC62262, the degree of protection is confirmed at IK06 and impact energy is 1J.</p> <p>The sample is placed on the table of impact test machine, subjected to impact test base on the specified requirement.</p> <p>No damage and deformation shall occur on the sample after mechanical impact test.</p> | <p>No damage and deformation occur on the sample after mechanical impact test.</p> | <p>P</p> |

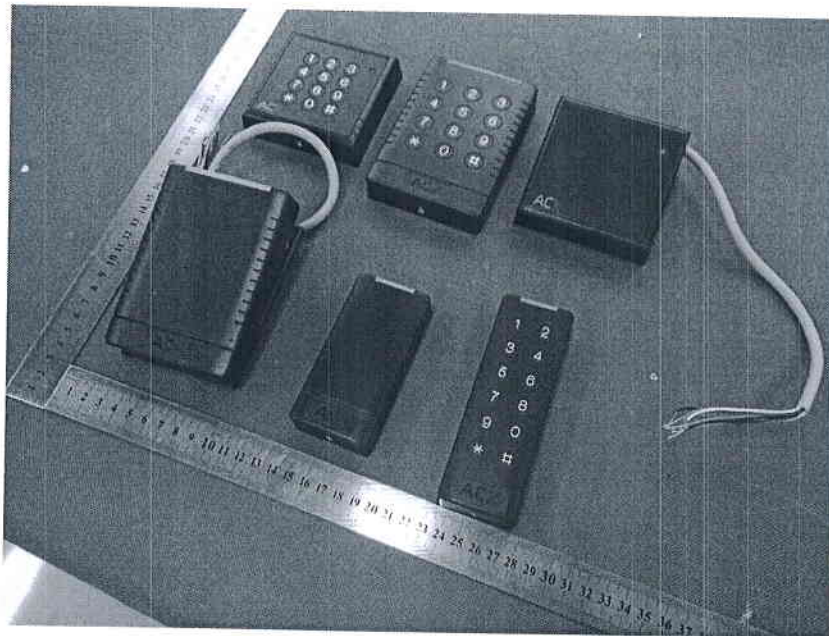
As for the test result, "N" means "not applicable", "P" means "pass" and "F" means "fail".

**Photos:**

**EUT Photo 1: General appearance**



**EUT Photo 2: General appearance**



\*\*\*\*\* END OF REPORT \*\*\*\*\*