

TEST REPORT

No. : GZIN1908040852MR

Date : Aug 09, 2019

Page: 1 of 6

CUSTOMER NAME: ZKTECO CO., LTD.
ADDRESS: NO.26, PINGSHAN 188 INDUSTRY ZONE, TANGXIA TOWN,
DONGGUAN CITY, GUANGDONG PROVINCE, CHINA 523728

Sample Name : SMART ACCESS CONTROL TERMINAL
Model No. : PROFACE X

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : CP19-041989
Date of Receipt : Aug 02, 2019
Testing Start Date : Aug 02, 2019
Testing End Date : Aug 09, 2019
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd. GZ Branch Testing
Center

Lion Zhang
Authorized signatory



TEST REPORT

No. : GZIN1908040852MR

Date : Aug 09, 2019

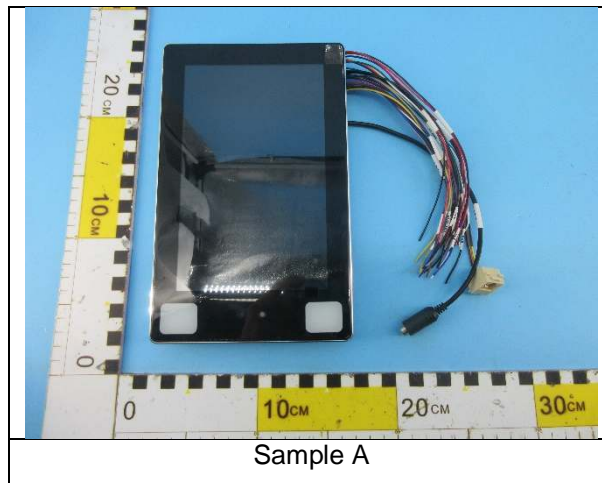
Page: 2 of 6

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	IP6X	With reference to IEC 60529:1989+A1:1999+A2:2013 COR2:2015 and client's requirement	No visual ingress of dust	Pass
2	IPX8	IEC 60529:1989+A1:1999+A2:2013 COR2:2015	No visual ingress of water	Pass

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
/ : Not Apply to the judgment.

Original Sample Photo:



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. 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.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

TEST REPORT

No. : GZIN1908040852MR

Date : Aug 09, 2019

Page: 3 of 6

1. Test Item: IP6X

Sample Description: See photo

Test Method: With reference to IEC 60529:1989+A1:1999+A2:2013 COR2:2015 and client's requirement

Test Condition:

Test Dust: Talcum powder

Dust Concentration: 2 kg/m³ chamber volume and be kept in suspension during the test

Test Duration: 8 hours

Lab Environment Condition: 15°C~35°C, 25%RH~75%RH

Test Result:

Sample	Result	Client's requirement	Conclusion
A	No visual ingress of dust	No visual ingress of dust	Pass

Note: Sample was disassembled and inspected after waterproof IPX8 test.

Test Photo:



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. 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. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC (Shanghai) Technical Services Co., Ltd. 198 Kazhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075188 www.sgs.com.cn
 Guangzhou Branch Testing Center/Weather & Reliability Laboratory 中国·广州·经济技术开发区科学城科珠路198号 邮编:510663 t (86-20) 82155555 f (86-20) 82075188 e sgs.china@sgs.com

TEST REPORT

No. : GZIN1908040852MR

Date : Aug 09, 2019

Page: 4 of 6



Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Sand and dust test chamber	MS-SC-010	GZMR-RL-E119	2019-05-14	2020-05-13

2.Test Item: IPX8

Sample Description: See photo

Test Method: IEC 60529:1989+A1:1999+A2:2013 COR2:2015

Test Condition:

Depth: 1.5m (0.05 m water depth and 0.01 MPa air pressure)

Test duration: 30 min

Lab Environment Condition: 15°C~35°C, 25%RH~75%RH

Test Result:

Sample	Result	Client's requirement	Conclusion
A	No visual ingress of water	No visual ingress of water	Pass

Note: The sample for waterproof test was the one after IP6X test.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. 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. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC (Shanghai) Technical Services Co., Ltd.
Guangzhou Branch Testing Center - Weibasis & Reliability Laboratory

198 Kazhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t(86-20) 82155555 f(86-20) 82075188 www.sgs.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编:510663 t(86-20) 82155555 f(86-20) 82075188 e sgs.china@sgs.com

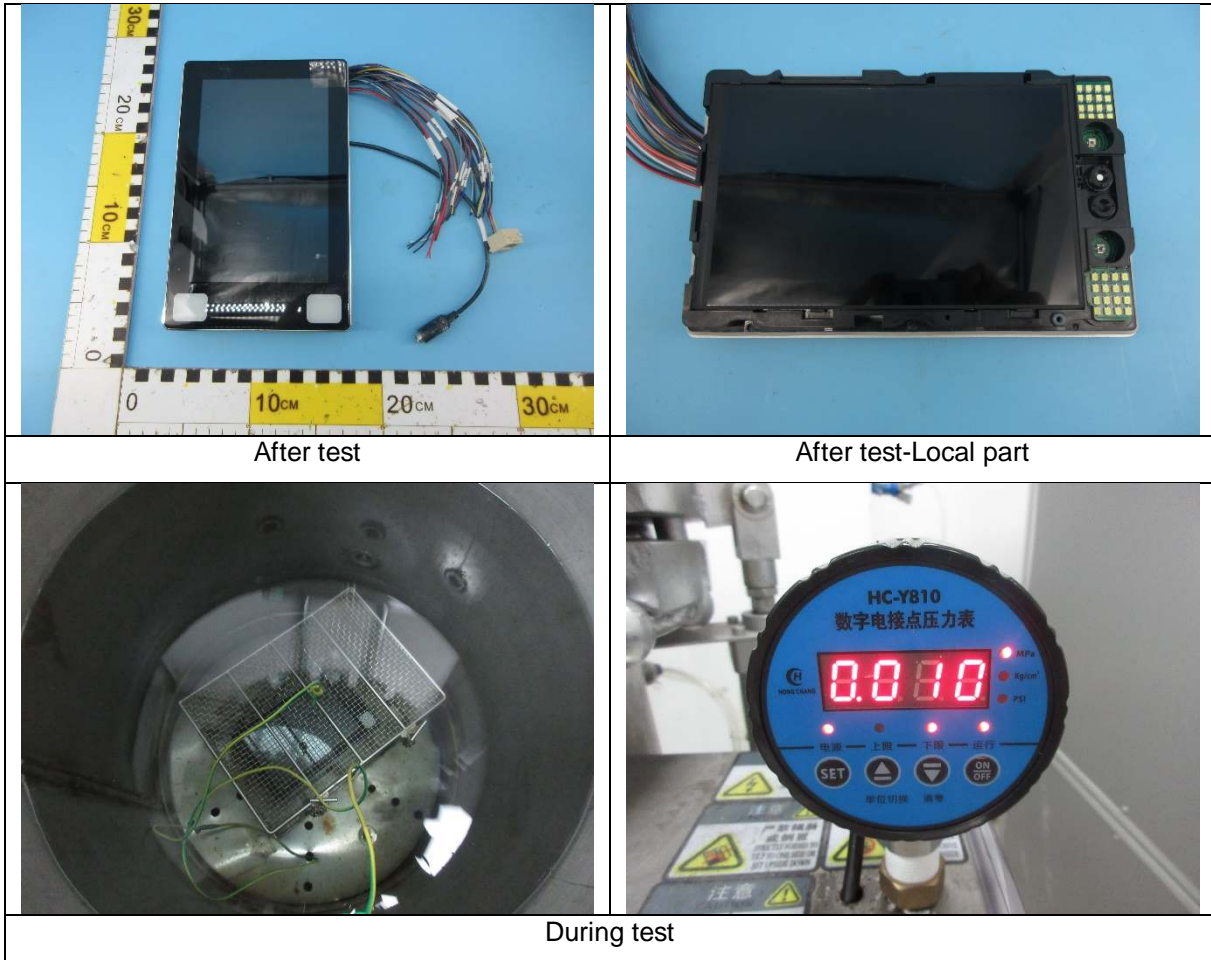
TEST REPORT

No. : GZIN1908040852MR

Date : Aug 09, 2019

Page: 5 of 6

Test Photo:



After test

After test-Local part

During test



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this last report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC (China) Technical Services Co., Ltd.
 Guangzhou Branch Testing Center/Reliability Laboratory

198 Kazhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t(86-20) 82155555 f(86-20) 82075188 www.sgs.com.cn
 中国·广州·经济技术开发区科学城科珠路198号 邮编:510663 t(86-20) 82155555 f(86-20) 82075188 e sgs.china@sgs.com

TEST REPORT

No. : GZIN1908040852MR

Date : Aug 09, 2019

Page: 6 of 6



During test

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Waterproof tester	IPX8	GZMR-RL-E136	2019-01-09	2020-01-08

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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. 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. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-TESTING SERVICES
Guangzhou Branch Testing Center/Reliability Laboratory

198 Kazhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t(86-20) 82155555 f(86-20) 82075188 www.sgs.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编:510663 t(86-20) 82155555 f(86-20) 82075188 e sgs.china@sgs.com