



2017190043Z



广东省东莞市质量监督检测中心

Guangdong Dongguan Quality Supervision & Testing Center

检验报告

防伪码: 48288009



No: X19040073

共 9 页, 第 1 页

Page 1 of 9

Test Report

样品名称 Sample Information	样品名称 Sample Description	TDA-08			商标 Brand	_____
	型号/规格/颜色 Type, Color, Specification	INSUN150			等级 Grade	_____
	生产单位及地址 Manufacturer and Address	中控智慧科技股份有限公司 ZKTECO CO., LTD. 东莞市塘厦镇平山188工业大道26号 No. 26, Pingshan 188 Industry zone, Tangxia Town, Dongguan City, Guangdong Province, China			生产日期/批号 Produced Date Serial No.	_____
委托单位及地址 Applicant and Address		中控智慧科技股份有限公司 ZKTECO CO., LTD. 东莞市塘厦镇平山188工业大道26号 No. 26, Pingshan 188 Industry zone, Tangxia Town, Dongguan City, Guangdong Province, China			检验类别 Test Type	委托检验 Consignment test
样品数量 Sample Quantity	1pcs	单号 Vouch No.	A040263		来样方式 Sample Method	送样 Send by applicant
样品状况 Condition	正常 Normal	接样日期 Receiving Date	2019-04-11		验讫日期 Date Tested	2019-04-16
检验依据 Test Standards	GB/T 4208-2017 《外壳防护等级 (IP代码)》 GB/T 4208-2017 《Degree of protection provided by enclosures (IP Code)》					
判定依据 Judge Standards	GB/T 4208-2017 《外壳防护等级 (IP代码)》 GB/T 4208-2017 《Degree of protection provided by enclosures (IP Code)》					
检验结论 Conclusion of Test	该样品经检验, 所检项目符合GB/T 4208-2017 (IP67) 标准。 The test item complies with GB/T 4208-2017 (IP67) standard.					
备注 Remarks	_____					


 批准:
Approved By:

 吴镇邦
吴镇邦(工程师)

 审核:
Checked By:

 陈贵彦
陈贵彦

 编制:
Edited By:

 刘坤
刘坤




广东省东莞市质量监督检测中心
Guangdong Dongguan Quality Supervision & Testing Center

检验报告

Test Report

共 9 页, 第 2 页

Page 2 of 9

No: X19040073

试验环境 Test Environment	温度: (20.0~25.0) °C 湿度: (50.0~65.0) %RH Temperature: (20.0~25.0) °C Humidity: (50.0~65.0) %RH
--------------------------	---

序号 No	检测项目 Test item	单位 Unit	标准要求 Requirement of standard	检验结果 Test results	单项评价 Assessment
----------	-------------------	------------	---------------------------------	----------------------	--------------------

第一位特征数字所表示的防止固体异物进入的试验

Degrees of protection against access to hazardous parts and against solid foreign objects indicated by the first characteristic numeral

1	IP 6X IP6X	12.2	——	试验条件如下: 1. 试具: 表6试具D (试验线); 2. 试验用力: (1±0.1) N Test conditions: 1. Probe: Table 6 probe D (metal foil of 1.0mm diameter); 2. Test force: 1 N ± 0.1N	符合要求 Meet the requirements	合格 Pass
		12.3 12.3.1	——	对于低压设备 (额定电压: 交流不超过1kV, 直流不超过1.5kV): ——试具不能触及危险带电部件; For low-voltage equipment (rated voltages not exceeding 1 000 V a.c. and 1 500 V d.c.) ——The access probe shall not touch hazardous live parts.	符合要求 Meet the requirements	合格 Pass
		12.3.2	——	对于高压设备 (额定电压: 交流超过1kV, 直流超过1.5kV): ——当试具在最不利的位置时, 设备应能承受相关标准规定的适用于该设备的耐压试验; For high-voltage equipment (rated voltages exceeding 1 000 V a.c. and 1 500 V d.c.) ——When the access probe is placed in the most unfavourable position(s), the equipment shall be capable of withstanding the dielectric tests as specified in the relevant product standard applicable to the equipment.	不适用 N/A	—— ——



广东省东莞市质量监督检测中心
Guangdong Dongguan Quality Supervision & Testing Center

检验报告

Test Report

共 9 页, 第 3 页

Page 3 of 9

No: X19040073

序号 No	检测项目 Test item	单位 Unit	标准要求 Requirement of standard	检验结果 Test results	单项评价 Assessment
1	IP 6X IP6X	13.4	试验条件如下: 1. 滑石粉尺寸: $\leq 75 \mu\text{m}$; 2. 滑石粉数量: 每立方米 2kg; 3. 抽气速度低于每小时40倍 外壳容积; 4. 试验时间: 8h (或连续抽 满80倍容积)。 Test conditions: 1. The size of talcum powder: $\leq 75 \mu\text{m}$ 2. The amount of talcum powder: 2 kg per cubic metre 3. The extraction rate is less than 40 volumes per hour, 4. The test is continued until 80 volumes have been drawn through, or a period of 8 h has elapsed	符合要求 (试验时间: 8h) Meet the requirements (Test duration: 8h)	合格 Pass
		13.6.2	试验后壳内无明显的灰尘沉 积。 The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.	符合要求 (无尘进入) Meet the requirements (No dust has entered)	合格 Pass

第二位特征数字所表示的防止水进入的防护等级

Degrees of protection against ingress of water indicated by the second characteristic numeral



广东省东莞市质量监督检测中心
Guangdong Dongguan Quality Supervision & Testing Center

检验报告
Test Report

共 9 页, 第 4 页
Page 4 of 9

No: X19040073

序号 No	检测项目 Test item	单位 Unit	标准要求 Requirement of standard	检验结果 Test results	单项评价 Assessment
3	IP X7 IPX7	14.2.7	被试外壳按生产厂规定的安装状态全部浸入水中。 试验条件如下: a. 高度小于850mm的外壳最低点, 应低于水面1000mm; b. 高度等于或大于850mm的外壳最高点, 应低于水面150mm; c. 试验时间: 30min; d. 水温与试样温差不大于5K。 The test is made by completely immersing the enclosure in water in its service position as specified by the manufacturer so that the following conditions are satisfied: Test condition: a. the lowest point of enclosures with a height less than 850mm is located 1000mm below the surface of the water; b. the highest point of enclosures with a height equal to or greater than 850mm is located 150mm below the surface of the water ; c. the duration of the test is 30 min; d. the water temperature doer not differ from that of the equipment by more than 5 K. However, a modified requirement may be specified in the relevant product standard if the tests are to be made when the equipment is energized and/or its parts in motion.	符合要求 (试验时间: 30min) Meet the requirements (Test duration:30 min)	合格 Pass
		14.3	试验后, 外壳进水情况 Check the sample if any water has entered after test	符合要求 (无水进入) Meet the requirements (No water has entered)	合格 Pass
			耐电压试验 Dielectric strength test	不适用 N/A	—— ——



广东省东莞市质量监督检测中心
Guangdong Dongguan Quality Supervision & Testing Center

检验报告

Test Report

共 9 页, 第 5 页

Page 5 of 9

No: X19040073

序号 No	检测项目 Test item	单位 Unit	标准要求 Requirement of standard	检验结果 Test results	单项评价 Assessment
3	IP X7 IPX7		<p>如果进水: ——应不足以影响设备的正常操作或破坏安全性; ——水不积聚在可能导致沿爬电距离引起漏电起痕的绝缘部件上; ——水不进入带电部件, 或进入不允许在潮湿状态下运行的绕组; ——水不积聚在电缆头附近或进入电缆。</p> <p>If any water has entered, it shall not: ——be sufficient to interfere with the correct operation of the equipment or impair safety; ——deposit on insulation parts where it could lead to tracking along the creepage distances; ——reach live parts or windings not designed to operate when wet; ——accumulate near the cable end or enter the cable if any.</p>	不适用 N/A	—— ——
			<p>如外壳有泄水孔, 进水不会积聚, 且能排出而不损害设备。</p> <p>If the enclosure is provided with drain-holes, it should be proved by inspection that any water which enters does not accumulate and that it drains away without doing any harm to the equipment.</p>	不适用 N/A	—— ——



广东省东莞市质量监督检测中心
Guangdong Dongguan Quality Supervision & Testing Center

检验报告

Test Report

共 9 页, 第 6 页

Page 6 of 9

No: X19040073

序号 No	检测项目 Test item	单位 Unit	标准要求 Requirement of standard	检验结果 Test results	单项评价 Assessment
3	IP X7 IPX7		对没有泄水孔的设备, 如发生水积聚并危及带电部分时, 有关产品标准应规定接受条件。 For enclosures without drain-holes, the relevant product standard shall specify the acceptance conditions if water can accumulate to reach live parts.	不适用 N/A	— —

检验结果说明 Test Result Description	1. 检验地点: 松山湖本部 2. “不适用”表示该样品不需要检测此项目 1. Testing Location: Songshan Lake Headquarters 2. Test case does not apply to the test object: N/A
实验室地址 Laboratory Address	松山湖本部: 广东省东莞市松山湖科技产业园区工业南路2号 长安分地点: 广东省东莞市长安镇莲湖路10号 石碣分地点: 广东省东莞市石碣镇崇焕中路183号石碣华科城创新科技园四楼 Songshan Lake Headquarters: No. 2, Gongye South Road, Songshan Lake Sci-Tech Industrial Park, Dongguan, Guangdong Chang'an Location: No. 10, Lianhu Road, Chang'an, Dongguan, Guangdong Shijie Location: 4/F, Huake City Shiji Inno-Tech Park, No. 183, Chonghuan Middle Road, Shiji Town, Dongguan, Guangdong
注意事项 Matters Need Attention	1. 报告无编制/主检、审核、批准人签字, 或涂改, 或未加盖检验检测专用章无效。 2. 未经本机构书面批准, 不得复制(全文复制除外)检验报告。 3. 委托送检的样品, 其检测数据、结果仅证明样品所检测项目的符合性情况。未经本机构同意, 委托方不得擅自使用检测结果进行宣传。 4. 委托送检的样品信息由委托方提供, 本机构不对其真实性及完整性负责。 5. 委托方自收到报告之日起, 在相应期限内没有提出异议的, 视为认可该报告结果。(各类报告的异议期: 农产品类5日, 食品类7日, 其它工业产品15日) 1. The test report is invalid when altered, lack of signatures of the testing, reviewing and approving personnel, or lack of official stamp for inspection and testing of testing laboratory. 2. The test report shall only be reproduced in full unless prior written authorization has been attained. 3. The test results and conclusion reflect the status of conformity of the sample(s) tested only. The test result shall not be used for advertisement unless prior written authorization has been attained. 4. The sample information is provided by applicant, and the laboratory shall not be responsible for its authenticity and completeness. 5. If the customer does not raise any objection within the discrepancy period from the date of receipt of the report, the result(s) shall be deemed to be accepted by the customer. (Discrepancy Period for Various Reports: Agricultural Products 5 days, Food 7 days, Other Industrial Products 15 days).



广东省东莞市质量监督检测中心
Guangdong Dongguan Quality Supervision & Testing Center

检验报告

Test Report

共 9 页, 第 7 页

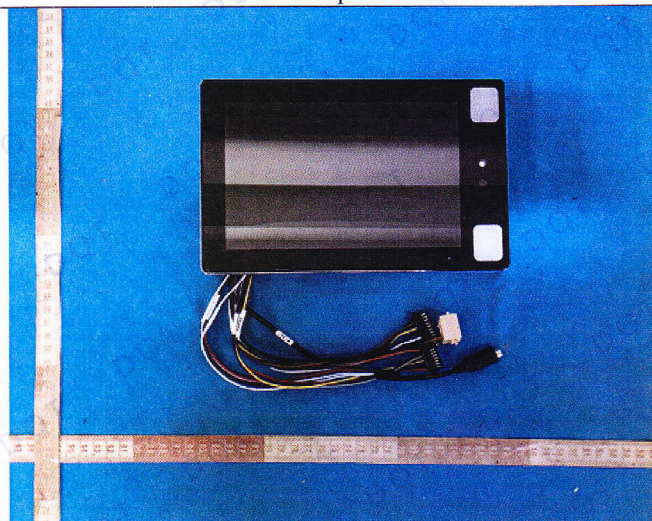
Page 7 of 9

No: X19040073

附件: 样品试验图片

Appendix: pictures of sample under test

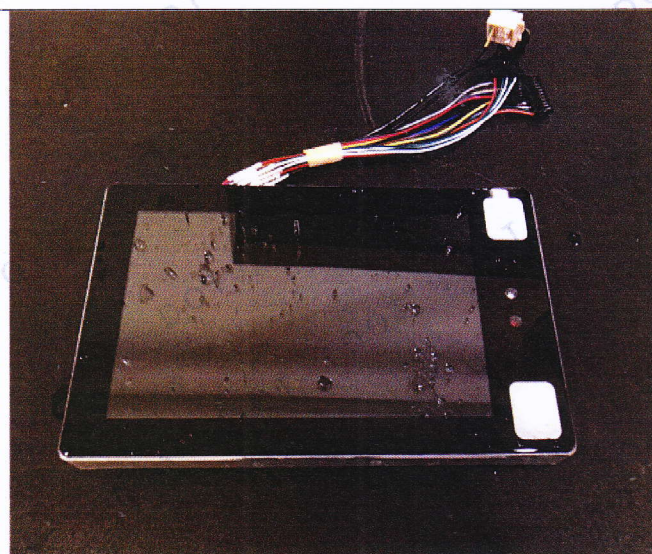
图片一 试验前样品
Picture 1 sample before test



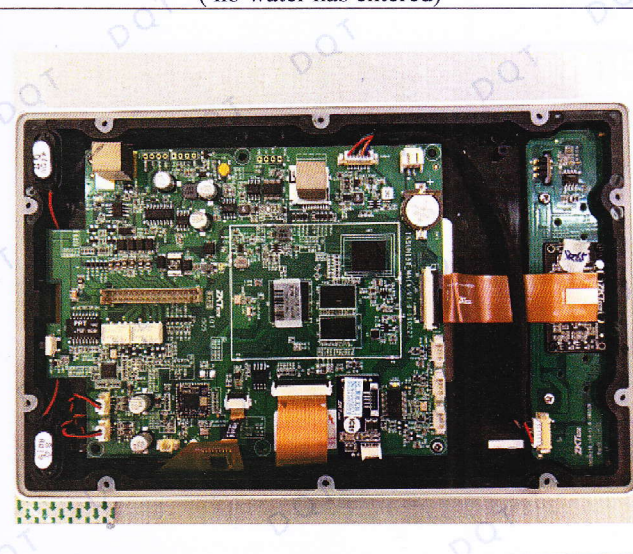
图片二 防水试验中
Picture 2 sample under test



图片三 防水试验后
Picture 3 sample after test



图片四 试验后样品内部无水进入
Picture 4 inside construction of sample after test
(no water has entered)





广东省东莞市质量监督检测中心
Guangdong Dongguan Quality Supervision & Testing Center

检验报告

Test Report

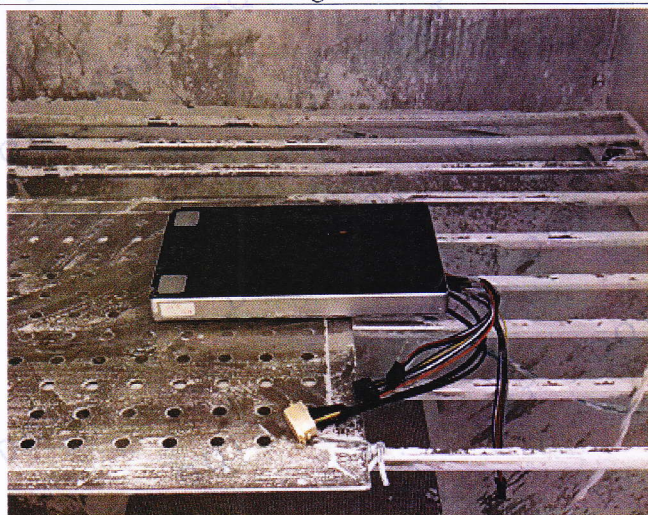
共 9 页, 第 8 页

Page 8 of 9

No: X19040073

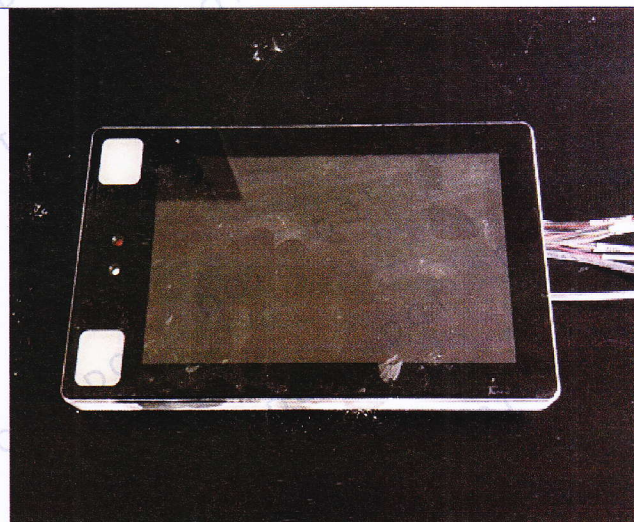
图片五 防尘试验中

Picture 5 sample under test for protection against dust ingress



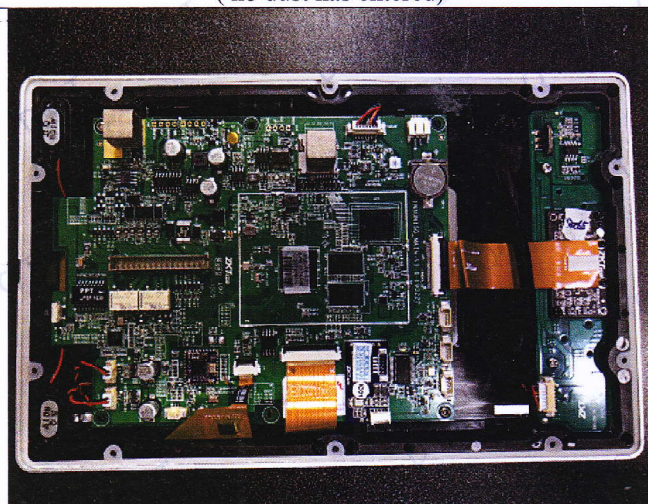
图片六 防尘试验后

Picture 6 sample after test



图片七 试验后样品内部无尘进入

Picture 7 inside construction of sample after test
(no dust has entered)





广东省东莞市质量监督检测中心
Guangdong Dongguan Quality Supervision & Testing Center

检验报告

Test Report

共 9 页, 第 9 页

Page 9 of 9

No: X19040073

主要检验仪器设备 Main Test Equipments				
仪器编号 Equipment No.	仪器设备名称 Equipment Name	仪器型号 Model	仪器制造商 Manufacturer	有效期至 Valid Until
DQM0683	浸水试验箱 Test equipment for protection against water ingress	KXT13T1	科翔 Kexiang	2020-03-05
DQM0322	试验探棒 Test probe	P10.17 ($\phi 1.0\text{mm}$)	PTL Dr. Grabenhorst GmbH	2020-03-14
DQN0099	砂尘试验箱 Test chamber for protection against dust ingress	KXT309	科翔 Kexiang	2019-08-12

Blank below