



检测报告

TEST REPORT



报告编号: 211501511

第 1 页, 共 5 页

Page 1 of 5 Pages

客户名称 : 深圳市零差云控科技有限公司
Name of Client

客户地址 : 深圳市宝安区沙井街道办坐岗社区中日龙路10号厂房三楼
Address of Client

被测物 : 机器人关节
Tested Object

被测物特征 : eRob142H120I-BS-18EN
Characteristic(s)

被测物编号 : LK-T5-202009250018-B
Object No

承建 / 制造方: 深圳市零差云控科技有限公司
Serial No



签发人 : 陈照聚(技术主管)
Issued By

检测日期 : 2021年 01月 21日
Testing Date Year Month Day

签名 : 陈照聚
Signature

签发日期 : 2021年 01月 27日
Issue Date Year Month Day



检测报告

TEST REPORT

报告编号: 211501511

第 2 页, 共 5 页

Report No.

Page 2 of 5 Pages

检测用主要计量标准装置信息 Main Standard Devices Used

名称 Equipment Name	测量范围 Measuring Range	不确定度/准确度等级/ 最大允许误差 Uncertainty/Accuracy Class/ Maximum Permissible Error	计量标准考核证书号 Certificate No.	有效期至 Due Date
-----	-----	-----	-----	-----

检测用主要标准器信息 Main Standards of Measurement Used

名称 Equipment Name	测量范围 Measuring Range	不确定度/准确度等级/ 最大允许误差 Uncertainty/Accuracy Class/ Maximum Permissible Error	设备编号 Equipment No.	证书号/溯源单位 Certificate No./ Traceability to	有效期至 Due Date
激光干涉仪	30m		SB7308	191502681/深圳计质院	2021-03-28
小36面棱体	(0~360)°	1"	SB0023	CDjd2020-02933/中国计量院	2021-09-14
平直度检查仪(自准直仪)	0.005mm/m	1.5+0.0015n	SB0263	201600406/深圳计质院	2021-03-12
多齿细分分度台	(0~360)°	MPE:1"	SB6750	CDP201901322/广东省计量院	2021-02-19

附加信息 Appended Directions

本次检测所依据的技术文件:
Statement of Compliance and Limitation

JJG57-1999 光学、数显分度头

委托日期:

2021 年 01 月 21 日

Application Date

检测地点:

本院龙珠基地2号楼实验室013#

Operation Location

环境条件:

温度 20.1 °C 相对湿度 41 %

Operation Environment

主检员: 刁艳

Tested by

核验员: 伍沛刚

Checked by



检测报告

TEST REPORT

报告编号: 211501511

第 3 页, 共 5 页

Report No.

Page 3 of 5 Pages

检测结果

Results of Test

1. 外观及各部件的相互作用: 正常;
2. 正方向示值误差: 23.5"
负方向示值误差: 23.0"
3. 回程误差: 10.9"
回程平均误差: 7.4"
4. 各点的示值误差:

全程范围示值误差: (正方向行程)

(°)	示值误差 (")
0	0.0
11.25	-10.3
22.50	+1.7
33.75	-13.3
45.00	+1.8
56.25	-15.3
67.50	+1.5
78.75	-12.0
90.00	-1.6
101.25	-15.8
112.50	+0.1
123.75	-10.5
135.00	-1.2
146.25	-11.9
157.50	-4.8
168.75	-10.4
180.00	-2.6

设定值 (°)	示值误差 (")
191.25	-12.8
202.50	-4.7
213.75	-12.3
225.00	+3.2
236.25	-15.2
247.50	-1.7
258.75	-12.7
270.00	+7.6
281.25	-13.5
292.50	+0.3
303.75	-14.3
315.00	-1.7
326.25	-8.4
337.50	-4.2
348.75	-11.6
360.00	+1.0



检测报告

TEST REPORT

报告编号: 211501511

第 4 页, 共 5 页

Report No

Page 4 of 5 Pages

检测结果

Results of Test

全程范围示值误差: (负方向行程)

设定值 (°)	示值误差 (")
0	+7.9
11.25	-1.5
22.50	+7.9
33.75	-5.9
45.00	+7.3
56.25	-5.7
67.50	+9.2
78.75	-6.6
90.00	+8.4
101.25	-7.4
112.50	+10.5
123.75	-3.9
135.00	+4.6
146.25	-3.2
157.50	+2.5
168.75	+0.1
180.00	+5.0

设定值 (°)	示值误差 (")
191.25	-5.7
202.50	+1.5
213.75	-5.5
225.00	+10.9
236.25	-8.8
247.50	+9.2
258.75	-7.6
270.00	+14.1
281.25	-8.2
292.50	+6.5
303.75	-7.4
315.00	+6.3
326.25	-1.2
337.50	+1.5
348.75	-4.0
360.00	+7.3
---	---

示值误差测量结果的扩展不确定度: $U=3''$, $k=2$ 。



检测报告

TEST REPORT

报告编号: 211501511

第 5 页, 共 5 页

Report No.

Page 5 of 5 Pages

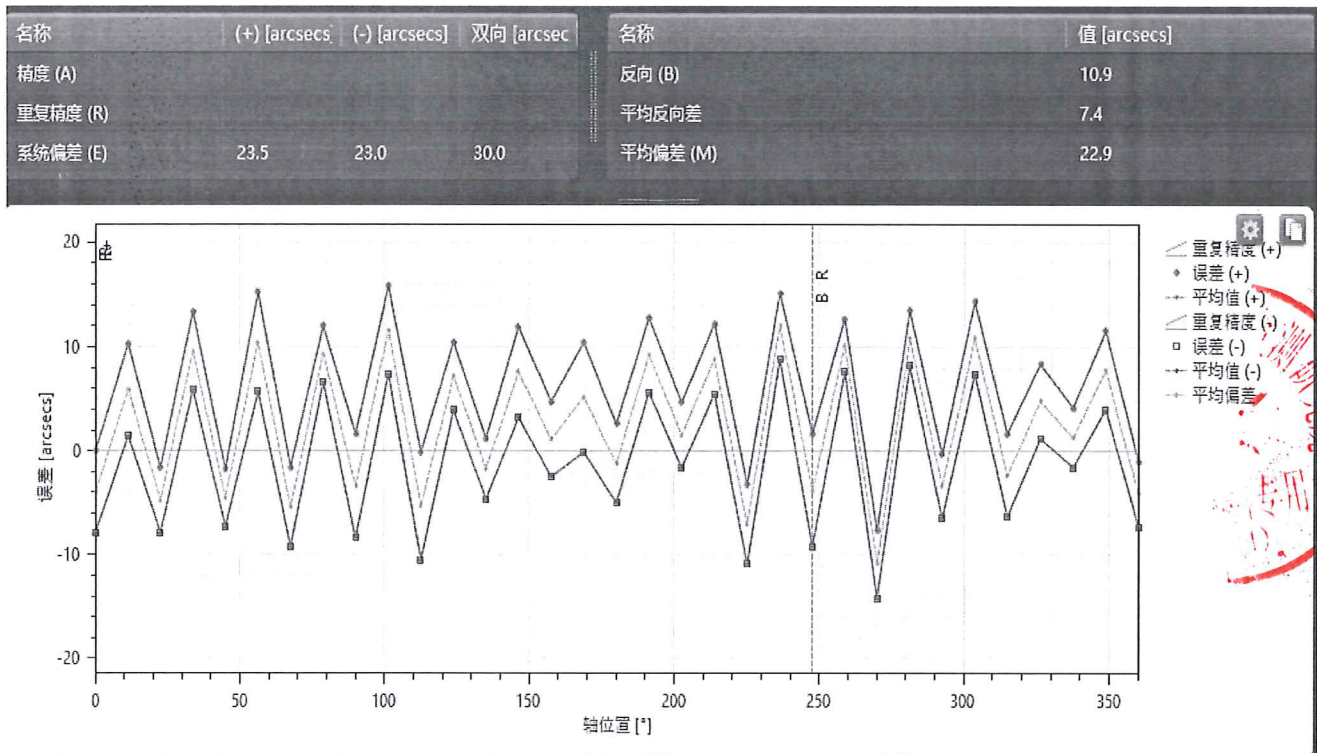
检测结果

Results of Test

附注:

1) 不确定度评定参考 JJF1059.1-2012 测量不确定度评定与表示技术规范。

2) 程序分析图:



————— 以 下 空 白 —————

重要声明 Important Statement

1. 本院(站)是由深圳市人民政府依据《中华人民共和国计量法》设置并由国家市场监督管理总局依法授权的法定计量检定机构。
SMQ is a legal metrological verification organization established by the Shenzhen Municipal People's Government and authorized by the State Administration for Market Regulation according to the Law on Metrology of the People's Republic of China.
2. 本院(站)进行的检定、校准和检测均可溯源到国家基准或国际单位制(SI)。
All verifications, calibrations and tests made by SMQ are traceable to the national standards or the International System of Units (SI).
3. 未经本院(站)许可,不得部分复印、摘用或篡改本证书/报告的内容;复印证书/报告未重新加盖本院证书/报告专用章无效。
Copying or excerpting portion of, or altering the content of the certificate/report is not permitted without the written authorization of SMQ. Any copy of certificates/reports without the Dedicated certificate/report Seal is deemed to be invalid.
4. 如果要满足被校准仪器的技术指标,或者技术法规要求,在规定范围内适用,请在建议复校日期前校准(适用于校准报告)。
To ensure that the calibrated object is properly used under given conditions in compliance with technical specifications or regulations, recalibrate before the suggested date (Applicable to calibration report only).
5. 本证书/报告提供的结果仅对本次被检的计量器具负责。
The results presented in this document apply only to the verified instrument.
6. 证书/报告无检定员/校准员、核验员、批准人签字,或涂改,或未盖本院证书/报告专用章及骑缝章无效。
Any certificate/report having not been signed by relevant responsible engineer, reviewer or authorized approver, or having been altered without authorization, or without both the Dedicated certificate/report Seal and its across-page seal is deemed to be invalid.
7. 证书/报告更改后,发出的电子版证书/报告、证书/报告的扫描件及传真件将不被追回,委托方有义务将更改后的证书/报告提供给使用原证书/报告的相关方。
SMQ is not responsible for recalling the electronic version of the original certificate/report when any revision is made to them. The applicant assumes the responsibility of providing the revised version to any interested party who uses them.

获得的国家、省、市专业站 Establishment of Following Institutions

国家高新技术计量站 National Hi-tech Metrology Station

国家数字电子产品质量监督检验中心 National Digital Electronic Product Testing Center (NETC)

国家体育用品质量监督检验中心(广东) National Sports Product Testing Center (Guangdong)

国家城市能源计量中心(深圳) National Urban Energy Measurement Center (Shenzhen)

国家营养食品质量监督检验中心(广东) National Nutritional Food Quality and Inspection Center (Guangdong)

国家分布式光伏发电系统质量监督检验中心(广东) National Distributed Photovoltaic Power Generation System Quality Supervision and Inspection Center (GuangDong)

国家环保产品质量监督检验中心(广东) National Environmental Product Quality Supervision and Inspection Center(Guangdong)

中国轻工业联合会家具质量监督检测深圳站 Accredited Testing Station (Shenzhen) for Furniture by China National Light Industry Council (CNLIC)

广东省质量监督家具检验站(深圳) Guangdong Quality Supervision and Inspection Institution for Furniture Products (Shenzhen)

广东省质量监督食品检验站(深圳) Guangdong Quality Supervision and Inspection Institution for Food (Shenzhen)

广东省质量监督综合布线系统检验站 Guangdong Quality Supervision and Inspection Institution for Generic Cabling System

广东省质量监督自行车检验站 Guangdong Quality Supervision and Inspection Institution for Bicycle Quality

广东省质量监督电磁兼容检验站 Guangdong Quality Supervision and Inspection Institution for Electromagnetic Compatibility

广东省质量监督皮革制品检验站 Guangdong Quality Supervision and Inspection Institution for Leather Products

广东省质量监督生态纺织服装产品检验站(深圳) Guangdong Quality Supervision and Inspection Institution for Ecological Textile and Garment Products (Shenzhen)

广东省质量监督钟表检验站(深圳) Guangdong Quality Supervision and Inspection Institution for Horological Products(Shenzhen)

广东省质量监督环保节能产品(安全性能)检验站(深圳) Guangdong Quality Supervision and Inspection Institution for Safety Performance of Environmental Protection and Energy Saving Products (Shenzhen)

广东省质量监督学生用品检验站(深圳) Guangdong Quality Supervision and Inspection Institution for Student's Articles (Shenzhen)

广东省质量监督眼镜检验站(深圳) Guangdong Quality Supervision and Inspection Institution for Eyewear Products(Shenzhen)

深圳市纤维纺织检验所 Shenzhen Quality Inspection Institution for Fiber and Textile

深圳市建材产品质量监督检验站 Shenzhen Quality Supervision and Inspection Institution for Building Materials

深圳市消防产品燃烧性能检测中心 Shenzhen Testing Center for Burning Behavior of Fire Protection Products

联系方式 Contact Information

联系电话 Contact Tel.: 0755-26941696 26941546 (龙珠) 27591789 (宝安) 82426246 (八卦岭) 28932280 (龙岗)
0769-21684525 (东莞)

传真电话 Fax No.: 0755-27591716 (宝安) 82408176 (八卦岭) 28932840 (龙岗)
0769-21684527 (东莞)

投诉及证书/报告真伪查询电话 Complaint Tel.: 400-900-8999 按5

Email: complaint@smq.com.cn