CHNSpec

Gloss Meter
CS-300 SE
CS-380 SE
CS-300S SE

High Precision Gloss Meter

Dual optical path technology with ultra-high repeatability

accuracy of 0.2GU

100000 ultra long endurance cycles

1、 Product features

- Lithium ion battery charging saves users on usage costs while ensuring an ultra long battery life of 100000 times

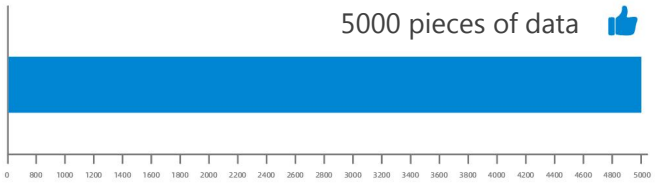
- Each instrument includes a measurement report, saving customers 500 yuan in measurement fees


检 定 证 书
VERIFICATION CERTIFICATE

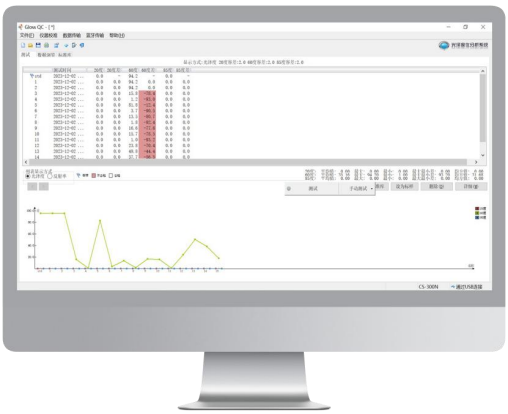
证书编号: JL202370495 第 1 页，共 4 页
Certificate No Page 1 of 4

委托方 Client: CHNSpec Technology (Zhejiang) Co.,Ltd
委托方地址 Add. of Client: 浙江省杭州市江干区文渊北路 166 号 No 166 of Wenyuan Road,Jiangan District,Hangzhou City, Zhejiang Province, China.
计量器具名称 Description: 光泽度仪 Gloss Meter
型号/规格 Model/Type: CS-300 SE
制造厂 Manufacturer: 彩谱科技（浙江）有限公司 CHNSpec Technology (Zhejiang) Co.,Ltd
出厂编号 Serial No.: F5112250744
设备编号 Equipment No.
接收日期 Date of Receipt: 2023 年 11 月 20 日 Y M D
结论 Conclusion: 一级合格 Qualified for grade 1
检定日期 Date of Verification: 2023 年 11 月 20 日 Y M D
依据检定规程，被检仪器检定周期为 壹 年 The verification period is 1 Year(s).
批 准 人 Approved Signatory
核 验 Inspected by
检 定 Verified by
证书专用章

- A single machine can store 5000 pieces of data, solving the problem of user data storage



- Standard QC software, data can be stored on the computer and reports can be exported



- Adopting a 320 * 240 color screen, the data display is clear at a glance

- Meets the requirements of JJG 696-2015 glossmeter for more accurate data


上海市计量测试技术研究院
华东国家计量测试中心
检 定 证 书
Verification Certificate
证书编号：2021F48-20-3216807002
JJG 696-2015《镜向光泽度计和光泽度板检定规程》
60°一级合格

- Adopting a universal Type-C interface to reduce user procurement costs

2、 Product diagram

3、 Model differentiation table

Model	CS-300 SE（Single angle）	CS-380 SE（Triangle angle）	CS-300S SE（Single angle，Small aperture）
Measuring Angle	60°	20° 、60° 、85°	60°
Electricity level	Fully charged, can be used 100000 times	Fully charged, can be used 60000 times	Fully charged, can be used 100000 times
Measuring range	0-200GU	20°:0-200GU 60°:0-200GU 85°:0-100GU	0-200GU
Measuring light spots	9*15mm	20°:10*10mm 60°:9*15mm 85°:5*38mm	2*3mm（Small aperture）
Display resolution	0.1GU	0-100:0.1GU;大于 100:1GU	
Repetitive accuracy	0-100GU:0.2GU 100-200GU:0.2%GU		
Measuring time	＜1s	＜1.5s	＜1s

4、 Technical parameter

Model	CS-300 SE	CS-380 SE	CS-300S SE
Measuring Angle	60°	20°、60°、85°	60°
Measuring light spots(mm)	60°:9*15	20°:10*10 ;60°:9*15 ;85°:5*38	60°:2*3
Measuring range	60°:0-200GU	20°:0-200GU;60°:0-200GU; 85°:0-100GU	60°:0-200GU
Display resolution	0.1GU	0-100:0.1GU;大于 100:1GU	
Measurement repeatability accuracy※	0-100GU:0.2GU ; 100-200GU:0.2%GU		
Measurement mode	Simple mode and statistical mode		
Measurement accuracy	Meet the requirements of JJG 696-2015		
Measurement time	＜1s	＜1.5s	＜1s
Data storage	5000 pieces of data		
Volume	165*51*77mm(L*W*H)		
Weight	400g		
Language	Chinese , English		
Battery capacity	3000mAh lithium battery		
Electricity level※※	Fully charged, can be used 100000 times	Fully charged, can be used 60000 times	Fully charged, can be used 100000 times
Interface	Type-C		
Screen size	2.4 inches (Screen resolution320*240)		
Computer software	Yes		
Working temperature	0-40℃		
Working humidity	Less than 85%, no condensation		
Accessory	5V/2A charging head, data cable, manual, USB flash drive (upper computer software), calibration standard board, third-party calibration certificate		
Purpose	Paint and ink, coatings, electroplating, plastic electronics, hardware and other fields		

※ Measure the standard deviation 30 times continuously, and evaluate it with absolute value when the measurement value is less than 100GU; When the measured value is greater than 100GU, evaluate it as a percentage

※※ Before the instrument leaves the factory, the measurement data from the color spectrum standard laboratory

CHNSpec Technology (Zhejiang) Co., Ltd

CHNSpec Technology (Zhejiang) Co., Ltd. is a leading chinese enterprise in the field of color and appearance measure device, mainly engaged in the research and development, production, and sales of color detection equipment. the products include colorimeter, spectrophotometer, transmittance haze meters, gloss meter , paint color matching software, hyperspectral cameras, and are widely used in industries such as plastic, coatings, printing, automotive parts, metals, home appliances, universities, and research institutions both domestically and internationally.

CHNSpec Technology (Zhejiang) Co., Ltd is located in Xiasha Higher Education Park, Hangzhou City. The main responsible person of the company has a senior professional title and a doctoral degree or above. The company has introduced R&D teams from well-known universities such as Zhejiang University and China Jiliang University. The development of color spectrum has attracted the attention of domestic experts and scholars, and has cooperative relationships with authoritative research institutions such as the Zhejiang Provincial Key Laboratory of Modern Metrology and Testing and Instruments, the National Engineering Center for Metrology and Testing Technology of the Ministry of Education, etc. With the care of various experts, the technical level and research and development capabilities of CHNSpec Technology (Zhejiang) Co., Ltd have achieved leapfrog development and achieved remarkable results. CHNSpec Technology (Zhejiang) Co., Ltd has a number of invention patents, including one American invention patent, a number of utility model patents, appearance patents, and software copyrights.

In addition, multiple invention patents are still in the announcement stage. CHNSpec Technology (Zhejiang) Co., Ltd has published multiple papers in domestic first-class scientific research journals and has been included in SCI and EI.

CHNSpec

Qualification

CHNSpec

Patented technology

Product certificate

CE Certificate

Full Test Report

RoHS Certificate

FCC Certificate

UKCA Certificate

Verification Certificate
of National Institute of Metrology

Participation in standard development

Specification for calibration of Pt-Co colorimeters

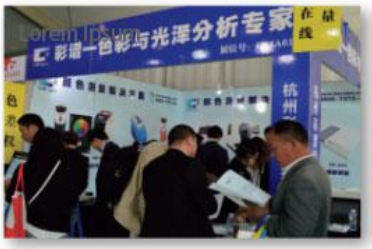
Leather color fastness test - Change in color under accelerated aging conditions (QB/T 5250-2018)

Leather Color Fastness Test - Color Migration onto PVC Film (QB/T 5252-2018)

Textiles - Quantitative analysis of polyester blended fabrics - Hyperspectral method

Color fastness test - Rating of staining on adjacent fabrics - Hyperspectral method

Industry conferences

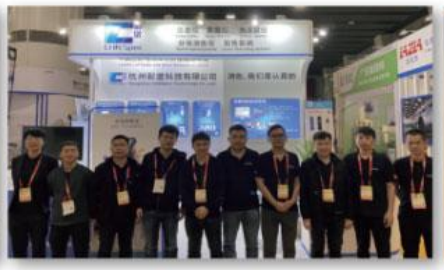


Chinaplas 2016

2016 CHNSpec Technology Seminar - Dongguan Station

2016 CHNSpec Technology Seminar - Guangzhou Station

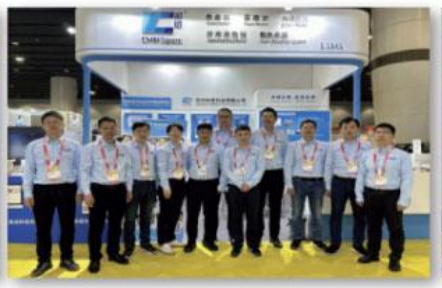
Chinaplas 2019



The CHINACOAT Series Of Exhibition 2020

United Coatings Conference 2022

2023 Chongqing Color Masterbatch Annual Conference



The CHINACOAT Series Of Exhibition 2023

2023 Shanghai Sewing Industry Annual Conference