

TEST REPORT



REPORT NO: CTNT2503170050101

Product name: Laser Obstacle Remover

Model No.: RFE-1000B

Applicant: SICHUAN RED COAST BASE INTELLIGENT TECHNOLOGY LTD

Test procedure: Entrustment Test

Shenzhen Zhongwei Testing Technology Co., Ltd.



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Tel: 0755-28680489

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TEST REPORT IEC 60825-1

Safety of laser products – Part 1: Equipment classification and requirements

Report Number: CTNT2503170050101

Date of issue: March 27, 2025

Name of Testing Laboratory
preparing the Report.....: Shenzhen Zhongwei Testing Technology Co., Ltd.
Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang
Street, Longgang District, Shenzhen, Guangdong, China
Tel: 086-13662574496
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Applicant's name: SICHUAN RED COAST BASE INTELLIGENT TECHNOLOGY LTD
Room 909, 9/F, Unit 1, Building 9, No. 1700, North Section of Tianfu
Address: Avenue, Chengdu Hi-Tech Industrial Development Zone, China
(Sichuan) Pilot Free Trade Zone

Manufacturer's name: SICHUAN RED COAST BASE INTELLIGENT TECHNOLOGY LTD
Room 909, 9/F, Unit 1, Building 9, No. 1700, North Section of Tianfu
Address: Avenue, Chengdu Hi-Tech Industrial Development Zone, China
(Sichuan) Pilot Free Trade Zone

Test specification:

Standard: IEC 60825-1: 2014

Test procedure: Entrustment Test

Non-standard test method: N/A

Test Report Form No.: IEC60825_1G

Test Report Form(s) Originator: OVE

Master TRF: Dated 2021-10-05

General disclaimer:

The test results presented in this report relate only to the object tested.

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The authenticity of this Test Report and its contents can be verified by contacting the CTNT, responsible for this Test Report.

Test item description: Laser Obstacle Remover

Trademark: redcoast

Model/Type reference: RFE-1000B

Ratings: 96V  ≥2500W


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Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
Laboratory Name	Shenzhen Zhongwei Testing Technology Co., Ltd.	
Testing location/ address:	Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China	
Tested by (Test Engineer)	Andrea Xie	
Reviewed by (Supervisor)	Oliver Long	
Approved by (Chief Engineer)	Flight Lee	
List of Attachments (including a total number of pages in each attachment)		
- Test data graph, Photo document		
Summary of testing:		
Tests performed (name of test and test clause): Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. According to the test of IEC 60825-1 Safety of laser products – Part 1 Equipment classification and requirements. The laser safety class of this product is Class 4. This report only identified the safety class of laser radiation, and did not performed examination for engineering structure design and product information.	Testing location: Shenzhen Zhongwei Testing Technology Co., Ltd. Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China Tel: 086-755-28680489 E-mail: admin@ctnt-cert.com Web: www.ctnt-cert.com	
Test item particulars		
Classification of installation and use:	transportable / portable / stationary / mobile / fixed / permanently installed / hand-held	
Supply Connection:	internally powered / permanently installed / appliance coupler / non-detachable cord / detachable cord	
laser Class as defined in 3.44 and 3.18 through 3.24 of IEC 60825-1:2014:	Class 1, 1C, 1M, 2, 2M, 3R, 3B, or 4	
laser output (power or energy)	See below	
Accessories and detachable parts included in the	N/A	

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