

TEST REPORT

REPORT NO.: CTNT2411180140102



Product name : Laser engraving module

Model No : 10W-24V-CX

Applicant : Dongguan Ritter Electronic Co.,LTD.

Test procedure : Entrustment Test

Shenzhen Zhongwei Testing Technology Co., Ltd.



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Tel: 0755-28680489

E-mail: admin@cnt-cert.com

Web: www.cnt-cert.com

TEST REPORT
IEC 60825-1
Safety of laser products –Part 1:
Equipment classification and requirements

Report Number.....: CTNT2411180140102

Date of issue.....: November 22, 2024

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
E-mail: admin@ctnt-cert.com
Web: www.ctnt-cert.com

Applicant's name.....: Dongguan Ritter Electronic Co.,LTD.
Address.....: Room 601, Unit 2, Building 3, No.13 Tianxing Road, Huangjiang Town,
Dongguan City, Guangdong Province.

Manufacturer's name.....: Dongguan Ritter Electronic Co.,LTD.
Address.....: Room 601, Unit 2, Building 3, No.13 Tianxing Road, Huangjiang Town,
Dongguan City, Guangdong Province.

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.....: CTNT

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 engraving module

Trademark.....: N/A

Model/Type reference.....: 10W-24V-CX

Ratings.....: 24V  3.5A

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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).....:	East Zheng	<i>East Zheng</i>
Reviewed by (Supervisor).....:	Oliver Long	<i>Oliver Long</i>
Approved by (Chief Engineer).....:	Flight Lee	<i>Flight Lee</i>
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 level of this product is classified as Class 4.	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@cntnt-cert.com Web: www.cntnt-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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