

TEST REPORT

REPORT NO.: CTNT2410230200102



Product name: Laser engraving module

Model No.: COS20W-24V-CX

Applicant: Dongguan Ritter Electronic Co.,LTD

Test procedure: Entrustment Test

Shenzhen Zhongwei Testing Technology Co., Ltd.



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TEST REPORT**IEC 60825-1****Safety of laser products – Part 1:
Equipment classification and requirements****Report Number.....:** CTNT2410230200102**Date of issue.....:** November 4, 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
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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:** 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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Test item description Laser engraving module**Trade Mark** N/A**Model/Type reference** COS20W-24V-CX**Ratings** 24V $\overline{\text{---}}$ 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)	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): - Photo document - Test data graph		
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: 2014 Safety of laser products – Part 1: Equipment classification and requirements. The laser safety level of this product is 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: 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 evaluation	N/A	
Options included	N/A	

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