

## TEST REPORT

REPORT NO: CTNT2412040160101



Product name: Distance Laser Sensor

Model No.: LXTLV40X422Q

Applicant: Banner Electronics (Suzhou) Co., LTD.

Test procedure: Type 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** ..... : CTNT2412040160101

**Date of issue** ..... : Jan 09, 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** ..... : Banner Electronics ( Suzhou ) Co. ,LTD.

**Address** ..... : No.6. Heshun Road, North of Loufeng Suzhou Industry Park. Jiangsu  
Province, P.P China

**Manufacturer's name** ..... : Banner Electronics ( Suzhou ) Co. ,LTD.

**Address** ..... : No.6. Heshun Road, North of Loufeng Suzhou Industry Park. Jiangsu  
Province, P.P China

**Test specification:**

**Standard**..... : IEC 60825-1: 2014

**Test procedure** ..... : Type 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** ..... : Distance Laser Sensor

**Trademark**..... : BANNER

**Model/Type reference** ..... : LXTLV40X422Q, LXTLV40X485Q, LXTLV40XSSIQ,  
LXTLV40EX232Q, LXTLV40X422HQ, LXTLV40X485HQ ,  
LXTLV40XSSIHQ, LXTLV40EX232HQ

**Ratings** ..... : 24V $\overline{\text{---}}$  1A

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<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<b>Laboratory Name</b>	Shenzhen Zhongwei Testing Technology Co., Ltd.	
<b>Testing location/ address</b> .....:	Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China	
<b>Tested by (Test Engineer)</b> .....:	Steve Zhou	Steve Zhou
<b>Reviewed by (Supervisor)</b> .....:	Oliver Long	Oliver Long
<b>Approved by (Chief Engineer)</b> .....:	Flight Lee	Flight Lee
<b>List of Attachments (including a total number of pages in each attachment):</b> - Test data graph, Photo document		
<b>Summary of testing:</b>		
<b>Tests performed (name of test and test clause):</b>  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.  <b>This product complied with the requirements of Class 2.</b>	<b>Testing location:</b>  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@cntt-cert.com Web: www.cntt-cert.com	
<b>Test item particulars</b> .....		
<b>Classification of installation and use:</b> .....	transportable / portable / stationary / mobile / fixed / permanently installed / hand-held	
<b>Supply Connection</b> .....:	internally powered / permanently installed / appliance coupler / non-detachable cord / detachable cord	
<b>laser Class as defined in 3.44 and 3.18 through 3.24 of IEC 60825-1:2014</b> .....:	Class 1, 1C, 1M, 2, 2M, 3R, 3B, or 4	
<b>laser output (power or energy)</b> .....:	See below	
<b>Accessories and detachable parts included in the evaluation</b> .....	N/A	
<b>Options included</b> .....	N/A	

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