

TEST REPORT



REPORT NO: CTNT2502100060101

Product name: Laser Intrusion Detectors

Model No.: FT-XD Series

Applicant: Shandong Feitian Optoelectronics Technology 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: CTNT2502100060101

Date of issue: March 10, 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: Shandong Feitian Optoelectronics Technology Co.,Ltd

Address: No.320 Tengzhou Big Data Industrial Park, No.199, Shangtong
Road,Beixin Street, Zaozhuang City, Shandong Province

Manufacturer's name: Shandong Feitian Optoelectronics Technology Co.,Ltd

Address: No.320 Tengzhou Big Data Industrial Park, No.199, Shangtong
Road,Beixin Street, Zaozhuang City, Shandong Province

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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Test item description: Laser Intrusion Detectors

Trademark.....: N/A

Model/Type reference: FT-XD Series, XD, XL, XT, XP, IT Product

Ratings: 30V  500mA

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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. This product complied with the requirements of Class 1.	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, 4C, 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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