

UT691A Series

Visual Fault Locator



User Manual

PREFACE

Thank you for purchasing the new Visual Fault Locator. To use this product safely and correctly, please read this manual thoroughly.

After reading this manual, it is recommended to keep the manual at an easily accessible place, preferably close to the device, for future reference.

LIMITED WARRANTY AND LIABILITY

Uni-Trend guarantees that the product is free from any defect in material and workmanship within one year from the purchase date. This warranty does not apply to damage caused by accident, negligence, misuse, modification, contamination and improper handling. The dealer shall not be entitled to give any other warranty on behalf of Uni-Trend. If you need warranty service within the warranty period, please contact authorized service center or send the product back with problem description.

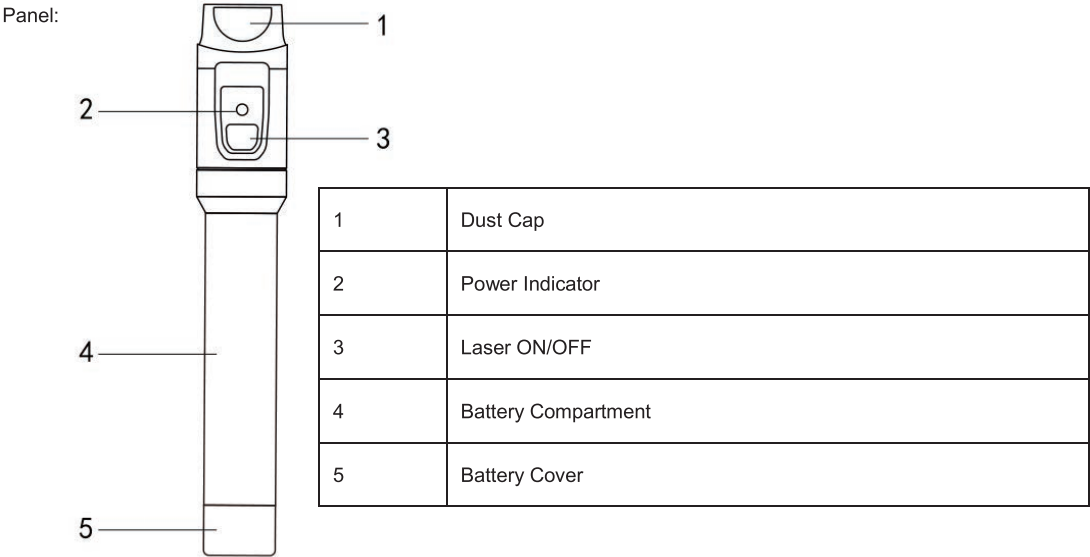
This warranty is the only compensation you can obtain. Uni-Trend will not be responsible for any special, indirect, incidental or subsequent damage or loss caused by any reason or speculation. As some areas or countries do not allow limitations on implied warranties and incidental or subsequent damage, the above limitation of liability and stipulation may not apply to you.

This product uses a 650nm semiconductor laser as the light-emitting device. Driven by a constant current source, it emits stable red light. After connecting to the optical fiber interface, it enters single-mode or multi-mode optical fiber to realize the optical fiber fault detection. It is an indispensable tool for optical fiber engineering construction, optical fiber network maintenance, optical device production and research, etc.

▲ Warning

1. Please carefully read and correctly understand the warnings and operating instructions in the user manual before using the Visual Fault Locator.
2. Please use the Visual Fault Locator in strict accordance with the user manual.

3. Lasers are harmful, so please pay special attention to eye protection. When the laser is working, it is strictly forbidden to look directly into the red light.
4. Laser is a heat-generating device. Generally speaking, the higher the temperature, the shorter the laser life. Try to avoid high-temperature environments when using it, and it is not recommended to use it continuously for a long time.
5. After a period of use, please clean the interface with a special fiber optic cleaning cotton swab.
6. After use, please cover the dust cap to prevent dust.
7. If the device is not used for a long time, it is recommended to remove the battery to avoid battery leakage.



Technical Parameters

Model	UT691A-10	UT691A-20	UT691A-30
Laser Output Power	10mW	20mW	30mW
Red Light Wavelength	650±20nm		
Interface	2.5mm Universal Connector		
Operating Mode	CW/2±1Hz Flash		
Laser Class	Class 3B		
Battery Type	2* AA Battery		
Operating Temperature	-10℃~60℃		
Product Dimensions	160*27*27mm		
Product Weight	About 69g		

Operating Instructions:

- 1.Open the dust cap and insert the 2.5mm optical fiber interface to be tested into the laser interface.
- 2.Press the laser switch button, the red LED lights up, and the laser outputs red light. If the connected optical fiber is normal, red light or a red light spot can be seen at the end of the optical fiber. If the optical fiber under test is disconnected, there will be no red light output at the end of the optical fiber.
3. Press the laser switch button again, the red LED will flash at 2±1Hz, and the laser output red light will also flash at 2±1Hz; press it again to take the red light off, and the operation will be in loop.
- 4.The UT691A series Visual Fault Locator uses two AA batteries as its power source. When the battery is depleted, open the battery cover at the bottom and replace the battery for continuous use.

Packing List:

Item	Quantity
Visual Fault Locator	1
Gift Box	1
Cloth Bag	1
User Manual	1
AA Battery	2

The manual is subject to change without prior notice!

Due to different batches, the materials and details of actual products may be slightly different from the graphic information, please refer to the actual product received. Experimental data provided in the page is from internal laboratory of UNI-T, but it should not be a reference for customers to place orders. Any questions, please contact the customer service, thanks!

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Made in China
P/N:110401114504X

彩盒 菲林做货要求：

序号	项目	内容	备注
1	尺寸	展开: 350X220MM	
2	材质	60g书纸	
3	颜色	单色	
4	外观要求	完整清晰、版面整洁，无斑墨、残损、毛边、刀线错位等缺陷。	
5	装订方式	钉装	
6	表面处理		
7	其它	无	
版本			
DWH 设计	康念园2025/9/4	MODEL 机型: UT691A	Part NO. 物料编号: 110401113578X
CHK 审核		 优利德科技（中国）有限公司 UNI-TREND TECHNOLOGY (CHINA) LIMITED	
APPRO. 批准			