

Technical Specifications

Specification		
Mode	UT699E-D	UT699E-S
Wavelength	1310nm±20nm/1550nm±20nm	1550nm (Supports 1577nm Live Fiber Test)
Dynamic Range	22dB/20dB	20dB
Number of Optical Ports	1	
Test Range	0.1 to 80km	
Fiber Type	Single mode	
Optical Port	SC/UPC	
Pulse Width	5ns to 20μs	
Attenuation Dead Zone	10m	
Event Dead Zone	<3m	
Sampling Point	15600	
Distance Uncertainty	± (0.8 + 0.005% *Distance + Sampling Resolution) m	
OPM Functions		
Port	2.5mm universal port	
Detector Type	InGaAs	
Response Wavelength	700 to 1700nm	
Calibrated Wavelengths	850/980/1270/1300/1310/1490/1550/1577/1625/1650nm	
Power Range	+30 to -50dBm (C-type)	
Accuracy	C-type: ±0.4dB(1310/1490/1550/1625nm) ±1dB(850/980/1270/1300/1577/1650nm)	
Display Unit	dBm, dB, W (auto switch to mW, uW or nW)	
VFL Functions		
Port	2.5mm universal port	
Wavelength	650±20nm	
Output Power	10mW	
Mode	CW/1Hz/2Hz	
OLS Functions		
Output Power	> -5dBm	
Mode	CW/270Hz/1kHz/2kHz/1kHz+Flashing/2kHz+Flashing	
Others		
Screen	3.5-inch color screen, 320*480 resolution, touch screen	
Operating Temp/Humidity	-10 to 50°C (Working); 0 to 45°C (Charging). <90% RH, non-condensing	
Storage Temp/Humidity	100% Battery: 1hr at -20 to 60°C, 24hrs at -20 to 45°C. 50% Battery: 12hrs at -20 to 60°C, 1 month at -20 to 45°C. Recommended: 50% battery, 65±20% RH, 25°C environment. Charge and discharge once every 3 months.	
General Characteristics		
Standrad Accessories	Optical Time Domain Reflectometer*1, Gift Box*1, User Manual *1, Type-C Cable *1, Cloth Bag*1	
Product Weight	About211g	About206g
Product Dimensions	123mm x 76mm x 39mm	
Battery	3.7V/2000mAh/Lithium battery	
Standrad Accessories	10pcs	

Applications



UNI-TREND
TECHNOLOGY







UT699-D/UT699-S
Optical Time Domain Reflectometer

UT699-S & UT699-D are high-precision fiber testers for fiber network deployment, maintenance, industrial inspections and special-environment projects. Upgraded in spatial resolution, dynamic range and smart functions, they handle critical fiber testing in various scenarios.



OTDR



OLS



Optical Multimeter



iFCD



VFL



Rechargeable
Lithium Battery

3.5" HD Touchscreen

Smartphone-style multi-touch, vivid full-color display for intuitive fiber testing.



OPM + Stable Light Source (OLS)

Accurately test fiber link optical loss.



Optical Power Meter (OPM)

10 calibrated test wavelengths covering 850~1650nm full band.



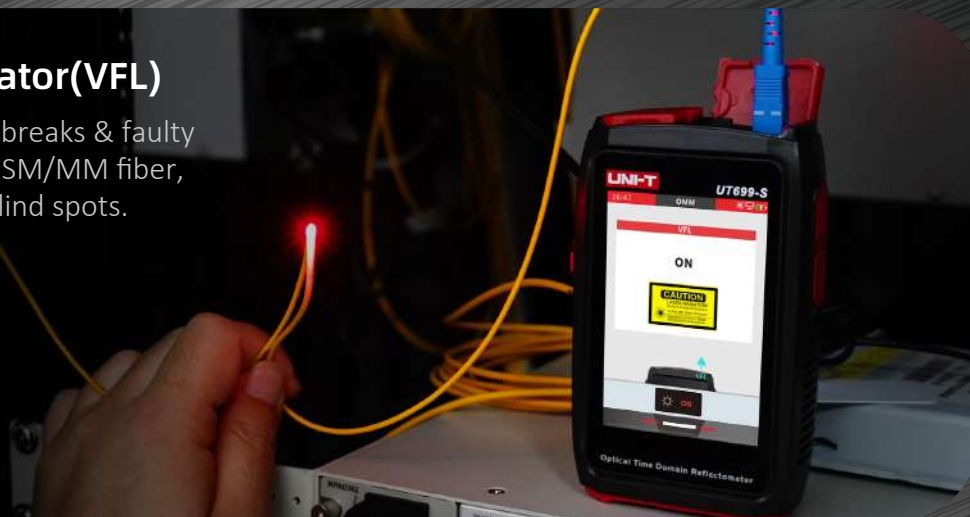
Intelligent Fiber Cable Detection

Icon & text co-display for quick fault recognition. Check event distance, position list, event details and test pass/fail status.



Visual Fault Locator(VFL)

Red light locates fiber breaks & faulty connectors, works for SM/MM fiber, covers OTDR testing blind spots.



Optical Light Source(OLS)

Selectable 1310/1550nm wavelengths, multiple modulation modes with flash



OTDR Measurement

Deliver OTDR traces for fiber loss & fault detection, switchable 1310/1550nm, 0.1~80km range



Built-in LED Flashlight

White LED lamp, heat dissipation vents on casing, built-in belt clip for easy portability.



Lithium Battery Power

Built-in 3.7V 2000mAh rechargeable lithium battery, Type-C charging interface.

