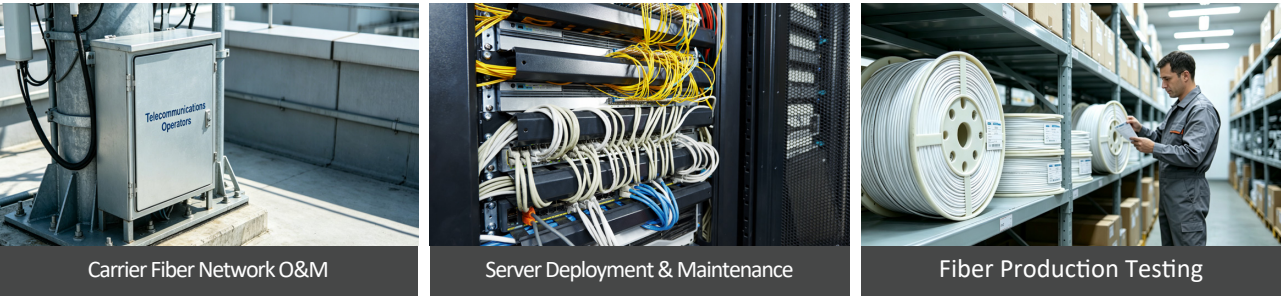


Technical Specifications

| 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.



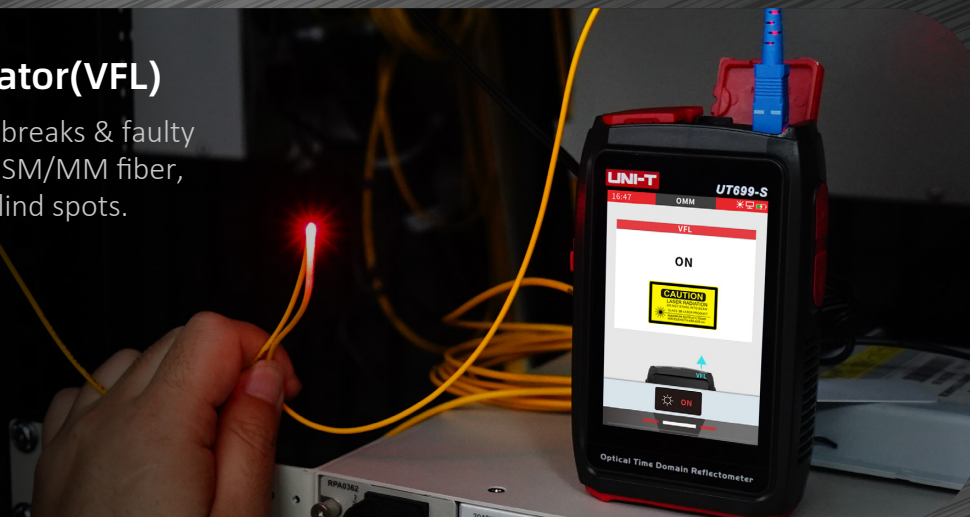
### Intelligent Fiber Cable Detection

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.

