

Technical Specifications

Specification		
Mode	UT691B-30C	UT691B-30T
Measurement Range	C-type (-50~+30dBm)	T-type (-70~+10dBm)
Response Wavelength	700~1700nm	
Calibration Wavelength	850nm/980nm/1270nm/1300nm/1310nm/1490nm/1550nm/1577nm/1625nm/1650nm	
Accuracy	±0.4dB(1310nm/1490nm)	±0.2dB(1550nm)
	±0.4dB(1550nm/1625nm)	±0.3dB(1310nm/1490nm/1625nm)
	±1dB(850nm/1300nm/980nm)	±1dB(850nm/1300nm/980nm/1270nm/1577nm/1650nm)
	±1dB(1270nm/1577nm/1650nm)	—
Power Meter Detector Type	InGaAs	
Resolution	0.01dBm	
Wavelength Memory Function	√	
LED Flashlight	√	
Backlight	√	
Red Light Source Interface	2.5mm Universal Connector	
Red Light Source Output Power	30mW	
Red Light Wavelength	650nm±20nm	
Red Light Mode	CW/2±1Hz Flash	
Charging Interface	Type-C	
Operating Environment	0-50 ℃ @Use; 0-45 ℃ @Charge; <90%RH No Condensation	
Storage Environment	-20 ℃ -45 ℃	
General Characteristics		
Standrad Accessories	Fiber Optic Engineering Pen*1, Gift Box*1, Cloth Bag*1, PE Bag*1, Type-C Charging Cable*1, User Manual*1	
Product Weight	About125g	
Product Dimensions	170mm×25mm×25mm	
Battery	1800mAh Built-in Lithium Battery	
Standard Quantity Per Carton	20pcs	

* Test conditions: 23°C±2°C, 40%-60%RH, FC/PC connector.
* T-type accuracy range: -55dBm~+3dBm, other references are as follows: ±0.8dB: +3dBm~+6dBm, -60dBm~-55dBm@1550nm test wavelength;
±3.0dB: +6dBm~+10dBm, -65dBm~-60dBm@1550nm test wavelength.
* C-type accuracy range: -35dBm~+23dBm, other references are as follows: ±0.8dB: +23dBm~+26dBm, -40dBm~-35dBm@1550nm test wavelength;
±3.0dB: +26dBm~+30dBm, -45dBm~-40dBm@1550nm test wavelength.

Applications



UNI-TREND
TECHNOLOGY



UNI-T

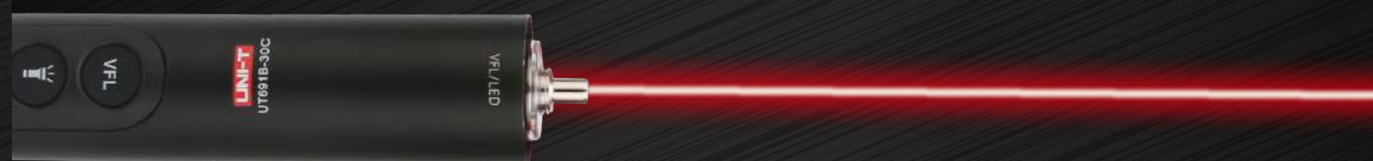
UT691B-30C UT691B-30T
Fiber Optic Engineering Pen

The UT691B Fiber Optic Engineering Pen integrates an optical power meter and VFL into one compact unit; built with a rugged metal body for reliable field use and fitted with a 2.5mm universal connector for easy fiber connection, it supports both fault location and optical power measurement, making it an essential tool for fiber optic engineers.



Quick Fault Location

30mW stable light detects breaks, bends, and contamination.



Fiber Optic Power Measurement

Measures 10 wavelengths to test signal strength and attenuation.



Metal Body

Durable and smooth metal casing with comfortable grip.



Mini & Compact, Easy to Carry

Compact design, easily fits in your pocket for on-the-go use.



2.5mm Universal Connector

Works with FC, SC, and ST connectors.



Offset Calibration

Adjustable [-5,5]dB range for direct effective value display.



Built-in LED Flashlight

Lighting for dark environments and cable tracing.



Type-C USB Charging

Rechargeable lithium battery via Type-C port.

