Fibershot ULTIMA Optical Power Meter

The Fibershot ULTIMA Optical Power Meter is a three-in-one multi testing device. It has integrated Optical Power Meter + Visual Fault Locator + Optical Light Source.

The OPM accurately measures the optical power of 6 different telecom wavelength.

Integrated 10mW VFL helps user to find faults by visual inspection.

OLS uses high-quality laser of 1310/1550nm with stable output, it has high sensitivity and a large dynamic range.

Meter responds quickly after start-up and there is no need to it warm up, means a stable output instantly. We use a high definition color screen that is suitable for working in a variety of light environment, It is suitable for optical cable projects & acceptance, fiber network operation & maintenance and testing.

Portable, hand-held & light weight design with long standby time and easy operation make it an ideal choice for the users.

Main Features:

- Three-in-one device: OPM+VFL+OLS.
- Multi-wavelength measurement: 850nm/1300nm/1310nm/1490nm/1550nm/1625nm (other wavelengths can be customized).
- Universal optical connector, support FC/SC/ST fiber connector.
- Color LCD screen, can be used with top notch clarity is a variety of environment.
- Intelligent automatic shutdown.
- Quick starts OLS means no need to warm up with stable output.
- Classic soft rubberized integrated shell make the product more shockproof.

Technical Parameter

Model	ULTIMA-A	ULTIMA-B
OPM		
Wavelength range (nm)	800~1700	
Probe type	InGaAs	
Detection range	φ0.3mm	
Optical port	2.5mm universal connector +FC or SC	
Power measurement range (dBm)	-70~+10	-50~+26
Display resolution	0.01dBm	
Uncertainty	±5%	
Standard wavelength (nm)	850, 1300, 1310, 1490, 1550, 1625	
OLS		
Operating wavelength (nm)	ULTIMA-A	ULTIMA-B
Optical component	FP-LD	
Output power (dBm)	-6~-7	
Modulation	270Hz, 1KHz, 2KHz	
Fiber category	SM, MM	
Connector	2.5mm universal connector +FC or SC	
VFL		
Output power (mW)	1/5/10/20mW	
Optical port	2.5mm universal connector +FC or SC	
Wavelength (nm)	650	
Spectrum line width (20°C)(nm)	±10	
Applicable fiber	SM, MM	
Internal modulation	CW, 2Hz	

Working temperature (°C)	-10~+60
Storage temperature (°C)	-25~+70
Automatic shutdown time (min)	10
Power supply	Rechargeable Li-Ion battery
Battery continuous working time (h)	12.5 (3x1500mAh) (1)
Dimensions (mm)	76* 177.5*40
Power supply	5V2A(2)
Weight (KG)	0.275(3)

Note: (1) The continuous working time is when OPM, VFL and OLS are on at the same time.
(2) When rechargeable battery is selected, the accessory contains a 5V2A power adapter.
(3) Weight without battery.

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