

Optical Power Meter with Optical Laser Source

The LiComm OPH series is an optical power meter with optical laser source to test loss on mixed single and multimode optical fiber systems. The OPH series is very stable, reliable, handheld and low cost product.

The OPH provides the calibration of optical power at various wavelengths and the adjustable output power for optical laser source with various wavelength, such 1310, 1490, 1550nm or etc.. For telecommunication and CATV applications, the OPH is ideal unit for testing single and multimode optical systems and components. It offers various function with internal memory of data save and interface (optional).



Features

- Easy operation
- High stability, reliability & accuracy
- Ideal testing for mixed MMF and SMF
- Calibrated for 850, 1310, 1550, 1620 nm & etc.
- Variable measurement
- Adjustable output power
- Power Calibration
- Large user memory (optional)
- Data interface (optional)
- Compact and light weight
- Auto shutdown
- Display backlight

Applications

- Single & multimode Fiber loss testing
- Construction & commissioning
- Optical components reliability test
- Connectorization
- Optical installation and maintenance
- System power & attenuation testing
- Fault finding & continuity testing
- Passive optical network testing
- Premium instrument for field or laboratory

Optical Characteristics

Power Meter

Parameter	Typical value	Unit
Wavelength range	800 ~ 1700	nm
Standard wavelength settings	850,1310,1550,1620	nm
Display range	-60 ~ +10	dBm
Max. Permitted input level	+10	dBm
Accuracy	< 0.2	dB
Resolution	< 0.01	dB
Optical connector type	SC/PC or FC/PC	
Photodiode type	InGaAs	
Unit display	dBm, dB, mW, nW, pW	

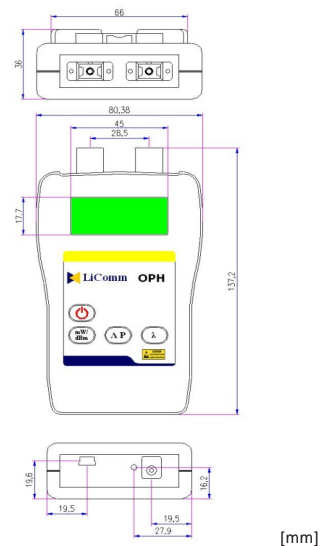
Laser Source

Parameter	Typical value			Unit
	OPH-1310	OPH-1490	OPH-1550	
Output wavelength	1310±20	1490±20	1550±20	nm
Output power	-3 ~ +3	-3 ~ +3	-3 ~ +3	dBm
Short term stability	0.05	0.05	0.05	dB
Long term stability	0.1	0.1	0.1	dB
Optical connector type	SC/PC or FC/PC			

Electrical & Environmental

Parameter	Typical value
Power supply	3*AAA 1.5 V (Dry batteries) 3*AAA 1.2V (NiMH cells)
Operating time	60 hours with dry batteries
Auto power time	ON/OFF
Size	125 X 80 X36.7 mm
Weight (with Battery)	200g

Mechanical Dimension



Ordering Information

OPH - 4 X₁X₂ - X₃X₄X₅



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