

OM-H1 is a high precision optical Test Set multimeter. **OM-H1** Optical Multimeter integrates a stable optical laser source and a precise optical power meter in a single compact and highly portable unit.

The optical laser source launches laser light at three possible (1310/1490/1550 nm) highly stable wavelengths. The optical power meter unit automatically recognizes the wavelength. The power meter high sensitivity (-70 dBm) allows testing of long fiber spans.

This unit is well suited for fiber or optic device insertion loss test, either in the field or in site applications.

The laser source supplies CW and modulated output and detection, as well as wavelength recognition codes, that makes testing and troubleshooting easy and precise.

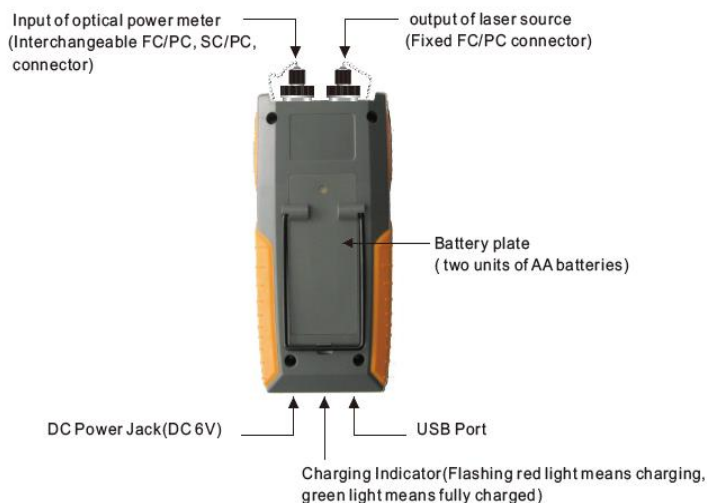
A large LCD screen with backlight helps working in dark places or manholes.

Packed with many functions and the included software the user can generate any report or easily manage the test results.



Features

- **Auto wavelength recognition**
- **Automatic shifting of measurements in optical power meter**
- **Power meter displays linearity and logarithmic optical power values**
- **Triple Wavelength Output**
- **Data storage up to 1,000 items**
- **USB interface**
- **PC Software Reporter**
- **Weatherproof design**
- **Water proof and rugged**
- **Wavelength Recognizing Code**
- **LCD backlight function**
- **Auto power off**
- **Self calibration**
- **Pass/Fail Functions**



SPECIFICATIONS

Model	OM-H1-A	OM-H1-B
Power Meter Section		
Wavelengths	850/1300/1310/1490/1550/1625 nm	
Sensitivity Range	-70 to +10 dBm	-50 to +26 dBm
Display Resolution	0.01dB	
Accuracy	±5%, ±1nW, ±0.2dB	
Display Units	dB/dBm/mW/uW	
Reference Value	Yes	
Frequency Detection	270Hz,1kHz, 2kHz	
Test Storage	1000 items	
Wavelength Detection	Yes	
Connector	Interchangeable FC/SC/ST 2.5mm universal connector	
Laser Light Source Section		
Output Wavelength	1310/1490/1550 nm	
Output Power	0 dBm ± 0.5dB (see footnote)	
Wavelength Recognition	1310/1490/1550 nm	
Frequency Output	270Hz,1kHz, 2kHz	
Stability Long-term (8h)	±0.1dB@1310/1550nm	
Connector	2.5mm universal connector, Includes FC/SC/ST Adapters	
General Parameters		
Power Supply	AC/DC Adapter 100-240V,50/60Hz	
Batteries	Rechargeable, Ni-MH, AA type, 2 batteries	
Battery Operation	100 hours on single charge	
Data Interface	USB	
Operational Temperature	-10°C to +60°C	
Humidity	<95% (Non-condensing)	
Dimensions	160L × 76 W × 45 H (mm), 260 gr	
Included Accesories	FC/SC/ST adapters, Batteries (2), AC/DC adapter, USB cable, Carrying bag, Hard transport case, Software CD disk, user manual, test report	