FIBER OPTIC MULTIMETER

Optical Power Meter | Optical Light Source | Visual Fault Locator
Virable Optical Attenuator | RJ45 Sequence&Tracking | Laser Ranging

Features

- 1mm Supper Large Photosensitive detector
- Save and Upload Testing Results
- Wide Testing Wavelength Range
- Automatic Frequency Identification
- Automatic Wavelength Recognition

The 80H high performance optical multi meter is controlled by single chip microprocessor and displayed by true colorful LCD.
Its shape is novel, and the design meets the requirements of Human Engineering. The 80H adopts advanced thermoplastic molding technology which is beautiful and durable.
The 80H is with many optional functions, such as Optical Power Meter, Light Source, Visible Fault Location, Variable Optical Attenuator, RJ45 Sequence/Cable Tracking, Laser Ranging and flashlight. They are mainly used for continuous optical signal power measurement, optical fiber link loss test and optical fiber line on-off test.
The 80H widely used in optical cable construction and maintenance, optical fiber communication, optical cable sensing, Optical CATV and other fields.

Models & Configuration

Model	Function	Configuration
80H-01	Optical Power Meter	-70 to +10dBm
80H-02	Optical Power Meter	-50 to +26dBm
80H-03	Optical Power Meter + Visual Fault Locator	-70 to +10dBm, 10mW
80H-04	Optical Power Meter + Visual Fault Locator	-50 to +26dBm, 10mW
80H-05	Light Source	1310/1550nm
80H-06	Light Source	850/1300nm
80H-07	Light Source	1310/1490/1550nm
80H-08	Light Source	850/1300/1310/1550nm
80H-09	Light Source + Visual Fault Locator	1310/1550nm, 10mW
80H-10	Light Source + Optical Power Meter	1310/1550nm, -70 to +10dBm
80H-11	Light Source + Optical Power Meter	1310/1550nm, -50 to +26dBm
80H-12	Light Source + Optical Power Meter + Visual Fault Locator	1310/1550nm, -70 to +10dBm, 10mW
80H-13	Light Source + Optical Power Meter + Visual Fault Locator	1310/1550nm, -50 to +26dBm, 10mW
80H-14	Variable Optical Attenuator	0 to 30dB Attenuation
80H-15	Variable Optical Attenuator	0 to 60dB Attenuation

Options

- Rj45 Cable Tracking
- Laser Ranging

The Kit Includes: Main Unit, FC/SC Connector, User Manual, Power Charging Adapter or USB Cord, Carrying Case, Certificate of Calibrate

General

Size	140x32x73mm
Weight	235g
Display	2.8 inch LCD, 240x320
Battery	2200mAh
Power Saving	Auto power off: 10min/30min/1hour
Battery Duration	> 12 hours
Environmental Conditions	Operating temperature and humidity: -10℃~+50℃, ≤95% (non-condensation) Storage temperature and humidity: -40℃~+70℃, ≤95% (non-condensation)

Module - Optical Power Meter

Testing Range	-70dBm to +10dBm or -50dBm to +26dBm
Calibrated Wavelength	850/980/1300/1310/1490/1550/1625/1650nm
Wavelength Range	800nm to 1700nm
Customized Wavelength	Max 50
Detector Type	InGaAs
Uncertainty	5%
Linear Display	0.1%
Logarithmic display	0.001, 0.01, 0.1dBm
Recognition Frequency	270Hz/330Hz/1kHz/2kHz
Wavelength Recognition	Support
Storage	1000

Module - Visual Fault Locator

Wavelength	650nm
Output Power	10mw, CLASSIII B
Range	12km
Launching Mode	CW/1Hz/2Hz

Module - Optical Light Source

Wavelength	850/1300/1310/1550nm
Output Power	<-5dBm
Regulation range	0 to 6dB
Regulation step	0.1dB/dB
Modulation	270/330/1k/2k Hz
Stability	±0.2dB/15min

Module - Optical Variable Attenuator

Attenuation Range	0 to 30dB or 0 to 60dB
Attenuation repeatability	±0.1dB (0 to 30dB)/±0.25dB (30 to 60dB)
Attenuation accuracy	±0.25dB (0 to 30dB)/±0.4dB (30 to 60dB)
Standard Wavelength	1310/1490/1550/1625/1650nm
Display Resolution	0.1dB
Max Input Power	+18dBm

Module - Rj45 Cable Sequence

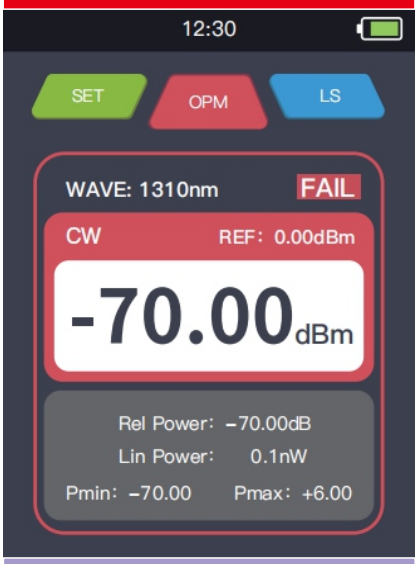
Testing Range	300m

Module - Laser Range

Testing Range	0.05 to 40m
Accuracy	±2mm

Functions

Optical Power Meter

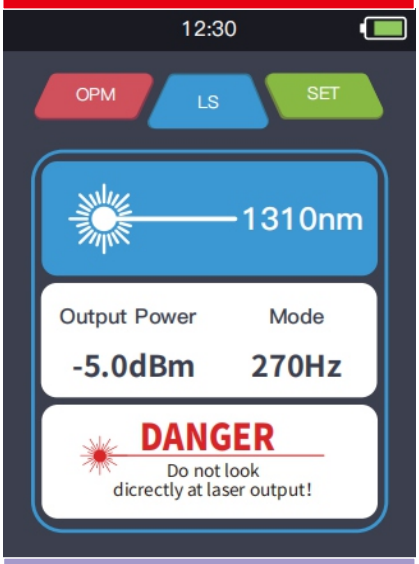


Support User-defined 50 Wavelengths
Support Frequency Identification
Support TWINS Test

Optical Variable Attenuator

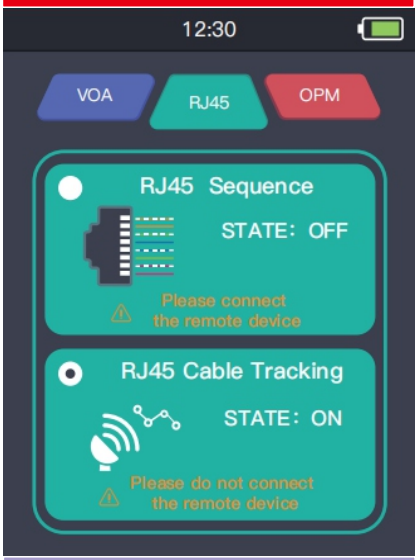
Max 60dB Continuous Variable Attenuation, 0.1dB High Attenuation Accuracy

Optical Light Source



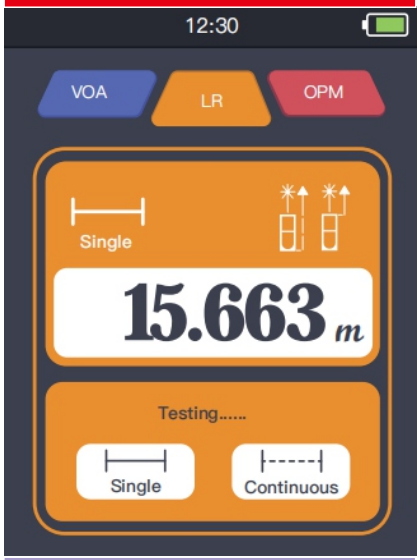
Output Power adjustable
Output power -5.0 to -11.0dBm
Modulated Light, TWINS Output

Rj45 Sequence & Tracking



Digital Radar Tracking, Strong Anti-jamming Ability, Prompt frequency is Different on Target Distance

Laser Ranging



40m Precision Ranging, ±2mm Test Accuracy, Support single/continuity measurement

High Performance Customized Available