UC INSTRUMENTS GM8019 + GM83001E 1310/1550 nm Dual Laser Source Back Reflectiom/Power Meter

Technical Specifications Ver 1.02
May, 2010

UC INSTRUMENTS CORP.

GM8019 + GM83001E 1310/1550 nm Dual Laser Source Back Reflectiom/Power Meter

The UC INSTRUMENTS GM8019 + GM83001E 1310/1550 nm dual laser source back reflection meter and power meter is a compact, direct display instrument for the convinent measurement of backreflection, insertion loss and power connector, fiber optic components, and system. With a single output port, the meter is very easy to use and ideal for fiber cable jumper manufacturers.

GM8019 was equiped with 1310/1550 nm two built-in laser sources(customers can also select any two of 850, 980, 1310,1490,1550,1610, 1625 nm laser source). The use of a FC/APC ultra-low backreflection connector on the output port enables the use of hybrid jumpers to accommodate measurments with various connector types without compromising the backreflection measurment range. When a divice under test (DUT) is connected to the jumper and the DUT output was terminated, the backreflection of the DUT was displayed. The GM8019 is very stable at low backreflection level and insertion loss and power range cab be tested between +3 ~ -80 dBm.

Features

- High performance
- Quick startup
- Wide Wavelength Range
- Insertion Loss anf Backreflection Capability
- Direct Display Insertion Loss and Backreflection Data
- Small dimension
- Affordable price

Applications

- Connector Insertion Loss/Backreflection Testing
- CWDM, DWDM, PLC, AWG Components Testing
- Fiber Cable Engineering Testing
- Quality Testing

Specifications

Model #	***GM8019 + GM83001E***
Sensor Element	***InGaAs***
Operation Wavelength Range	*850 ~ 1700 nm*
Power Mesurement Range	*+ 3 ~ -85 dBm*
Application Fiber Type	*Standard SM*
Relative Accuracy - Backreflection	*+/- 0.4 dB **
Absolute Power Accuracy	*+/- 0.2 dB*
Relative Accuracy – Insertion Loss	*< 0.02 dB Typical ***
Interface	*RS232 and USB*
Power	*100 ~ 240 V AC*
Operation Temperature	*0～+40℃*
Storage Temperature	*-30～+80℃*
Recalibration Period	*2 years*
Dimensions	*63 mm H, 43 mm W, 290 mm D*
Weight	*3.0 kg*

* +/- 0.4 dB for 0 ~ -65 dB; Add +/- 0.4 dB for reading between -65 ~ -75 dB; add +/- 0.8 dB for reading between -75 ~ -85 dB.
* +/- 0.02 dB for 0 ~ -65 dB; Add +/- 0.4 dB for reading between -65 ~ -75 dB; add +/- 0.8 dB for reading between -75 ~ -85 dB.

UC INSTRUMENTS' Test and Measurement Support, Services and Assistance

UC INSTRUMENTS provides high performance, high value, low cost, affordable test and measurement instruments solution for our customers. Our extensive support sources can help you choose right UC INSTRUMENTS' products for your application and apply them successfully. Every instruments and system we sell a global warranty. All of our instruments with at least 18 months factory warranty.

Our Promise

All of UC INSTRUMENTS' test and measurement instruments and system will met its advertised performance and functionality. When you select UC INSTRUMENTS' products, we can verify if it is work properly, help with products operation, and provides the basic measurement assistance for the use of special capabilities.

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May, 2010

31000036 V1.02