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

Technical Specifications Ver 1.02
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UC INSTRUMENTS CORP.

GM8019 + GM83001D 1310/1550 nm Dual Laser Source Back Reflection/Power Meter

The UC INSTRUMENTS GM8019 + GM83001D 1310/1550 nm dual laser source back reflection meter and power meter is a compact, direct display instrument for the convenient measurement of back reflection, 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 equipped 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 back reflection connector on the output port enables the use of hybrid jumpers to accommodate measurements with various connector types without compromising the back reflection measurement range. When a device under test (DUT) is connected to the jumper and the DUT output was terminated, the back reflection of the DUT was displayed. The GM8019 is very stable at low back reflection level and insertion loss and power range cab be tested between +3 ~ -80 dBm.

Features

High performance
Quick startup
Wide Wavelength Range
Insertion Loss and Back reflection Capability
Direct Display Insertion Loss and Back reflection Data
Small dimension
Affordable price

Applications

Connector Insertion Loss/Back reflection 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 Measurement Range	*+ 3 ~ -80 dBm*
Application Fiber Type	*Standard SM*
Relative Accuracy – Back reflection	*+/- 0.4 dB **
Absolute Power Accuracy	*+/- 0.2 dB*
Relative Accuracy – Insertion Loss	*< 0.02 dB Typical ***
Interface	*RS232*
Power	*100 ~ 240 V AC*
Operation Temperature	*0 ~ +40°C*
Storage Temperature	*-30 ~ +80°C*
Recalibration Period	*2 years*
Dimensions	200 mm W X 105 mm H X320 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 12 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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