

1310/1550nm Dual Wavelength Optical Insertion Loss & Return Loss Meter



INSERTION LOSS & RETURN LOSS

1310nm & 1550nm

WIDE DYNAMIC RANGE
+3dBm to -85dBm

HIGH ACCURACY
 ± 0.02 dB IL
 ± 0.4 dB RL

The Bola 1310nm/1550nm dual laser source Insertion Loss, Return Loss, and Power Meter is a compact instrument for the convenient measurement of back reflection, insertion loss and power of fiber optic connectors, cables, patch cords, components, subassemblies, modules, and systems.

With a single output port, the 1310nm/1550nm dual laser source Insertion Loss, Return Loss, and Power Meter is easy to use and ideal for quick device characterization. The integration of an FC/APC ultra-low back reflection connector on the output port enables the use of hybrid jumper cables to accommodate measurements with various connector types without compromising back reflection (RL) measurement range.

KEY APPLICATIONS

CWDM, DWDM, COMPONENTS, MODULE, SYSTEM TESTING

OPM, INTERLEAVER, DPSK, WSS, PLC, AWG COMPONENT AND MODULE TESTING

FIBER OPTIC TEST EQUIPMENT INSPECTION AND TESTING

R&D AND MANUFACTURING TEST

**BENCH TOP
VERSION**

**RACK MOUNT
VERSION**



MIX + MATCH + INTEGRATE

Bola Configurable Dual Wavelength Optical Insertion Loss & Return Loss Meter can be seamlessly integrated with multiple switches of differing channel counts and switching configurations into user-defined switch matrixes or with other Bola Configurable products into convenient test plat-forms or unique test sets.

Choose from Bola Optical Power Meters, Fiber Optic Sources, Variable Optical Attenuators, and more.

Confer with your Bola representative for more information on the Bola Optical Test Platforms and Test Sets to configure Bola Dual Wavelength Optical Insertion Loss & Return Loss Meter for your unique requirements.

SPECIFICATIONS

Optical/Electrical

Parameter	
Wavelength Range (Power Meter) (nm)	850 to 1700
Source Outputs (Return Loss) (nm)	1310 & 1550
Source Wavelength Accuracy (nm)	±5
Source Output Power (dBm)	≥ 0
Fiber Type	9um Single Mode
Detector Type	InGaAs
Power Measurement Range (dBm)	+3 to -85
Absolute Power Accuracy (dB)	± 4 % (850/980/1310/1490/1550/1625 nm)
Insertion Loss Measurement Range (dB)	80
Insertion Loss Relative Accuracy (dB) ¹	+/- 0.02 Typical
Return Loss Measurement Range (dB)	70
Return Loss Relative Accuracy (dB) ²	± 0.4
Measurement Time (s)	<0.5
AC Power (50-60Hz)	100 to 240 V AC
Power Consumption (VA)	<10
Remote Interface	RS-232 or USB
Recalibration Period (Years)	2

¹ 0 to -60 dB. ² 0 to -50 dB.

Mechanical/Environmental

Parameter	
Dimensions (W x H x D) (cm)	25 x 11 x 33
Weight (kg)	3.2 (with power meter head)
Operation Temperature (°C)	0 to +40
Storage Temperature (°C)	-30 to +80
Humidity (non-condensing, °C)	85%

ORDERING

OTP - I R - U 0 1 - 3 5 - 0 9 - F F - 0 0 - - - E 1 - 0 0 0

Model	
B	Bench Top
R	Rack Mount

Remote Interface	
23	RS-232
US	USB

Connector Type	
FC	FC Connector
SC	SC Connector
ST	ST Connector
LC	LC Connector



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