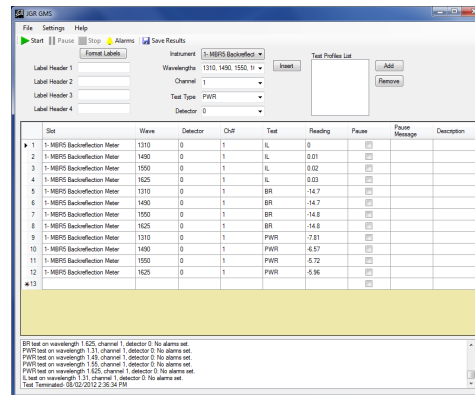


Backreflection Meters

BR5 Backreflection Meter



GMS Software

PRODUCT DESCRIPTION

The BR5 Backreflection Meter is a user-friendly instrument developed with extremely stable optics for precise measurement of backreflection, insertion loss and power. The BR5 features up to four built-in laser sources at wavelengths of 850, 1310, 1490, 1550, 1625 or 1650 nm (depending on fiber type).

An intuitive display and keypad, with one-button access to BR and IL modes, simplifies the collection and management of measurement data. The meter may be controlled through remote interface (GPIB, RS232, or USB*) or locally via the user-friendly front panel keypad and display. It is available in single-mode and multimode, the BR5 is ideal for measurements of connectors, components, and systems.

The BR5 achieves ultra-stable backreflection measurements at very low values. Accuracy is typically ± 0.4 dB and measurement sensitivity is to -80 dB. Insertion loss relative accuracy is ± 0.05 dB. All our BR5 meters come standard with our GMS Software.

The multimode BR5 meets IEC-61280-4-1 Encircled Flux Standard.

*USB interface via-USB-DB9 adapter

KEY FEATURES

- Stable BR measurements at low values
- Up to 4 internal lasers
- BR range to -80 dB
- User Friendly

APPLICATIONS

- Component testing
Connector and patchcord testing
- Incoming inspection
- QA testing

COMPLIANCE

- MM meets IEC 61280-4-1 Encircled Flux Standard
- UL/CSA 61010
- IEC 61010
- FCC Part 15 (Class A)
- EN 61326 (Class A)

IN THE BOX

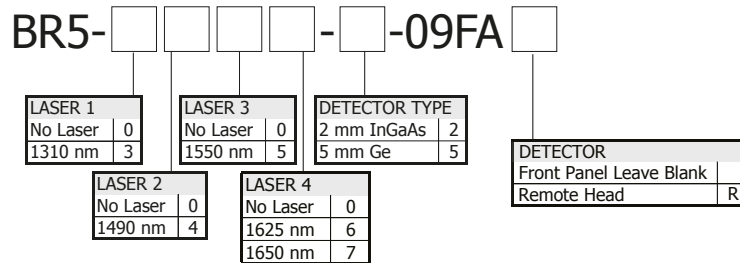
- BR5 Meter
- AC power cord
- Calibration Certificate
- Calibrated Jumper
- Hybrid Test Jumper
- Detector Cap
- FC Detector Adapter
- MW3 Mandrel Wrap

HOW TO ORDER

Choose one characteristic from each column and assemble the part number.

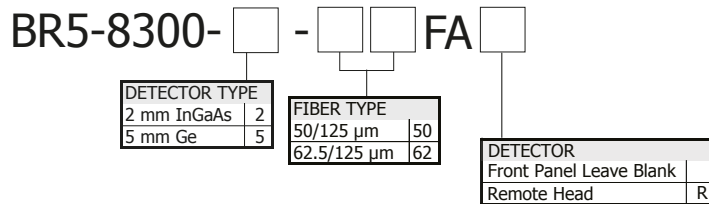
ORDERING SCHEME

Single-Mode Version



- Up to four lasers may be selected the single-mode version

Multimode Version



- The standard multimode version contains two lasers at 850 and 1310nm Other wavelengths are available upon request

CONTACT US

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ADDITIONAL ACCESSORIES See Page 32.



All information contained herein is believed to be accurate and is subject to change without notice. No responsibility is assumed for its use. JGR Optics Inc. 2014

SPECIFICATIONS

OPTICAL / ELECTRICAL SPECIFICATIONS		
Parameter	Specification	
	Single-mode	Multimode
Fiber Type (μm)	(9/125)	(50/125 or 62.5/125)
Encircled Flux Standard	N/A	IEC-61280-4-1
Operating Wavelengths (nm)	1310 / 1490 / 1550 / 1625 / 1650	850 / 1310
Backreflection Range (dB)	0 to - 80	0 to - 60
Backreflection Accuracy (dB) ^{1, 2}	± 0.4	
Detector Type	2mm InGaAs / 5mm Ge	
Power Range (dBm)	0 to - 80 / 0 to - 60	
Absolute Power Accuracy (dB) ³	± 0.25	
Relative Power Accuracy (dB)	± 0.05 (< 5 dB loss) ± 0.15 (> 5 dB loss)	
Remote Interface	GPIB / RS232 / USB ⁴	
Input Voltage	100 - 240 V AC, 50 - 60 Hz	
Power Consumption (VA)	60 maximum	
Display	16 character LCD	

¹ Add 0.1 dB to the spec for every 1dB below -60dB (single-mode).

² Add 0.1dB to the spec for every 1dB below -45dB (multimode).

³ Measured at -10 dBm.

⁴ USB interface via-USB-DB9 adapter.

MECHANICAL / ENVIRONMENTAL SPECIFICATIONS		
Parameter	Specification	
	Single-mode	Multimode
Unit Dimensions W x H x D (cm)	26 x 11 x 26	
Shipping Box Dimensions W x H x D (cm)	37 x 25 x 38	
Unit Weight (kg)	3	
Total Shipment Weight (kg)	4	
Operating Temperature (°C)	0 to 40	
Storage Temperature (°C)	- 40 to 70	
Humidity (Non-condensing) (°C)	Maximum 95% RH from 0 to 40	