OSICS BKR - Variable Reflector

The BKR module integrates a variable reflector that could be set from 2.5 to 60 dB and operates throughout a large wavelength range.
The Osics BKR emulates reflectance that normally occurs from all optical interfaces within fiber optic systems. It will be the perfect tool in R&D to test prototypes and see how its operation is affected by undesired backreflection. It could also be used in large PON/WDM test-bed to stress the system.

Key Parameters

- **55 dB reflection range with 0.1 dB resolution.**

The large reflection range capability allows to adapt to any set-up with a single instrument.

- **Real Time & Easy Operation.**

The platform user-friendly interface allows real time adjustment of the reflectance.
Each module reflectance could be read at any time on the Osics front panel.

- **single slot module inside the Osics platform.**

User will benefit of all Osics platform capabilities: remote commands, ability to host up to 8 modules including DFBs, high performances tunable laser sources, optical switches…etc

Applications

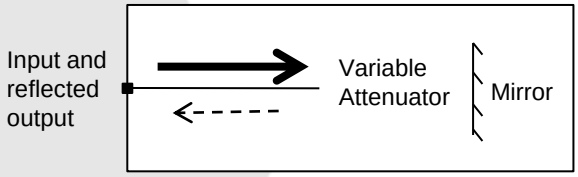
- **Simulation of cumulated fiber reflection (PON, WDM systems).**

The large reflection range capability allows to adapt to any set-up with a single instrument.

- **Component testing (transmitters, receivers, laser diode, isolator…)**

Used with a Bit Error Rate Tester, it allows testing return loss sensitivity of individual components.

- **Laser development and production.**
- **OTDR testing.**



Osics BKR Module Principle

	Osics BKR
Wavelength Range	1250-1650 nm
Reflectance Range	Up to to 55 dB
Calibrated Range	Up to 40 dB @ 1300 and 1550 nm
Reflectance Accuracy (typ.)*[1]	± 0.3 dB
Insertion Loss	< 4 dB (3 dB typ.)
Attenuation Setting Resolution*[2]	0.02 dB
Polarisation Dependent Loss	0.2 dB
Speed	0.1 second / 3 dB (typ.)
Maximum Input Power	0.2 W (+23 dBm)
Optical connectors	FC-APC on SMF-28

All specifications are tested at 23°C +/- 2°C; optical connector included.
*1 : inside calibrated range and up to 35 dB.
*2 : from 1 to 10 dB, 0,1 dB for 10 to 40dB.

YENISTA OPTICS
4 rue Louis de Broglie
22300 Lannion, France
Phone: +33 296 483 716
www.yenista.com

YENISTA OPTICS Inc.
475 Wall Street
Princeton, NJ 08540, USA
Phone: +1 609 423 0890