



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)



## Acterna variable optical attenuator High performance OLA-15B

The Acterna OLA-15B is a handy-sized, rugged optical attenuator for single mode applications from 1260 to 1625 nm. Applications include bit error rate tests, determination of system margin and receiver sensitivity, and calibration of optical power meters.

### **Wide measurement range, simple operation**

OLA-15B has a large rotary control on the front panel which makes setting of the attenuation quick and easy. Attenuation can be set within a wide range from 3 to 60 dB.

For high-return loss applications – for example, CATV systems – both optical connectors can be provided with an APC (angled physical contact) interface as an option.

### **Rugged field instrumentation**

OLA-15B can be operated with AC, dry or rechargeable batteries. It is supplied in a robust housing, with splash-proof foil keypad and protectors for the optical connectors, to ensure reliable operation even in harsh field conditions.

---

### **Highlights**

---

- Multiple applications in optical system verification, installation and maintenance
- Ideal for optimization of DWDM systems
- Wide attenuation range
- Simple, reliable operation
- Rugged, compact and lightweight
- Three year recalibration period

## Acterna OLA-15B Variable Optical Attenuator

### Ordering information

- OLA-15B/PC	BN 2239/02
- OLA-15B/APC	BN 2239/21
- Calibration report for OLA-15B	BN 2239/90.01

### Product specification

#### Wavelength

- Range of use	1260 to 1625 nm
- Calibrated at	1310 and 1550 nm

#### Attenuation setting

- Attenuation range <sup>(1)</sup>	3 to 60 dB
- Minimum insertion loss <sup>(1)</sup>	≤3 dB
- Linearity	±0.2 dB
- Repeatability of attenuation setting <sup>(2)</sup>	±0.1 dB
- Total attenuation uncertainty <sup>(1)</sup>	±0.8 dB
- Setting type	continuous over the entire range
- Function	bidirectional

#### Attenuation display

- Displayed value <sup>(1)</sup>	4 digit liquid crystal display absolute attenuation including connector
- Resolution	0.05 dB

#### Optical input/output

Physical Connector (PC)  
or Angled Physical Connector (APC)

Interchangeable test adapters of BN 2060/00.XX series BN 2060/00.X e.g. DIN, FC, SC, ST, E2000

- Fiber type	single-mode 9/125mm
- Return loss at input/output <sup>(3)</sup>	>40 dB (PC) Or >60 dB (APC)
- Maximum input level	+ 23 dBm

### General specifications

#### Power supply

- Dry batteries	2 x Mignon (AA) 1.5 V
- NiCd rechargeable batteries	2 x Mignon (AA) 1.2 V

- Operating time	
dry batteries	typical 45 hours
NiCds	typical 15 hours

- Battery/NiCd power saving	The instrument switches off automatically after approx. 20 min (function can be disabled)
-----------------------------	---

- AC line operation	with separate AC adapter unit NT-20
---------------------	-------------------------------------

- Battery charging	internally using NT-20, externally with charger unit
--------------------	---

- Electromagnetic compatibility	corresponds to EN standards 50081-1 and 50082-1(CE conformance)
---------------------------------	--

Recommended calibration interval	3 years
----------------------------------	---------

#### Ambient temperature

- Nominal range of use	-5 to +55°C
------------------------	-------------

- Storage and transport	-40 to +70°C
-------------------------	--------------

- Dimensions (w x h x d)	approx. 95 x 49 x 195 mm
--------------------------	--------------------------

- Weight (including batteries)	approx. 500g
--------------------------------	--------------

### Delivery contents

- OLA-15B variable optical attenuator
- 2 interchangeable adapters from BN 2060/00.XX range
- Dry batteries 2 x Mignon (AA) 1.5 V
- Operating manual

### Accessories

- Optical connector cleaning kit	BN 2229/90.07
- Spare tape for cleaning kit	BN 2229/90.08
- NiCd cells, Mignon (AA) type (2 required per instrument)	BN 2229/90.02
- Battery charger (for external charging)	
230 V, European AC line plug	BN 2229/90.03
110 V, US AC line plug	BN 2229/90.09
230 V, UK AC line plug	BN 2229/90.19
- AC Adapter NT-20	
European version	BN 2238/90.02
UK version	BN 2238/90.03
US version	BN 2238/90.04
Australian version	BN 2238/90.05
Japanese version	BN 2238/90.06
- Neck strap	BN 820/00.52
- ABK-30 storage box for optical accessories	BN 2126/30
- Equipment case MK-1 (rigid shell case for 2 x OLX-1x plus accessories)	BN 2090/13
- Equipment bag MT-2 (nylon bag for 2 x OLX-1x plus accessories)	BN 2126/01
- Equipment bag MT-3 (nylon bag for 3 x OLX-1x plus accessories)	BN 2126/02
- Equipment bag MT-22 (nylon bag for 1 x OLX-1x and 1 x OLX-x plus accessories)	BN 2126/22
- Equipment bag MT-32 (nylon bag for 1 x OLX-1x and 2 x OLX-x plus accessories)	BN 2126/32
- Equipment case MK-4 (rigid shell case for 3 x OLX-1x plus accessories)	BN 2092/12

Detailed information about test adapters, cables and fiber-optic sleeves is found in separate data sheet: "Acterna fiber-optic test adapters and cables".

<sup>(1)</sup> Including connectors (to IEC 874-1, method 6), depending on quality of connectors applied to the OLA

<sup>(2)</sup> Excluding remating

<sup>(3)</sup> Typical value; depends on the characteristics of the external plug

#### Worldwide Headquarters

20400 Observation Drive  
Germantown, Maryland  
20876-4023  
USA

Acterna is present in more than 80 countries. To find your local sales office go to: [www.acterna.com](http://www.acterna.com)

#### Regional Sales Headquarters

North America  
20400 Observation Drive  
Germantown, Maryland  
20876-4023  
USA

Toll Free: +1 866 228 3762  
Tel: +1 301 353 1550  
Fax: +1 301 444 8468

Latin America  
Av. Eng. Luis Carlos Berrini  
936/8° e 9° andares  
04571-000 São Paulo  
SP-Brasil  
Tel: +55 11 5503 3800  
Fax: +55 11 5505 1598

Asia Pacific  
42 Clarendon Street  
PO Box 141  
South Melbourne  
Victoria 3205  
Australia  
Tel: +61 3 9690 6700  
Fax: +61 3 9690 6750

Western Europe  
Arbachtalstraße 6  
72800 Eningen u.A.  
Germany  
Tel: +49 7121 86 2222  
Fax: +49 7121 86 1222

Eastern Europe,  
Middle East & Africa  
Elisabethstraße 36  
PO Box 13  
2500 Baden  
Austria  
Tel: +43 2252 85 521 0  
Fax: +43 2252 80 727

1st Neopalmivskiy Per.  
15/7 (4th floor)  
RF 119121 Moscow  
Russia  
Tel: +7 095 248 2508  
Fax: +7 095 248 4189

© Copyright 2001  
Acterna, LLC.  
All rights reserved.

Acterna and its logo are trademarks of Acterna, LLC. All other trademarks and registered trademarks are the property of their respective owners. Major Acterna operations sites are ISO 9001 registered.

Note: Specifications, terms and conditions are subject to change without notice.



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)