

OBS-15 (broadband handheld light source)

Main specifications

Output level (for back reflection <4%)	> 0 dBm
Spectral power density between $\lambda_1 = 1520$ nm and $\lambda_2 = 1620$ nm	> -42 dBm/0.1 nm
Applicable fiber	SMF 9/125 μ m (PC)
Optical connector	FC, SC, DIN, etc. (Interchangeable adapter system)

Power supply

Battery operation	NiMH, type AA (rechargeable, exchangeable, 2 pieces)
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Operating time	approx. 3.5 h
AC operation	
(by means of SNT-92 AC/DC adapter/charger)	

Adapter/Charger

Nominal range of use	100 to 240 V, 50/60 Hz
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Ambient temperature conditions

Nominal range of use	-10 to +40°C/14 to 104°F
Storage and transport	-25 to +45°C/-12 to 114°F
Dimensions (w×h×d)	approx. 3.7×1.8×7.7 in approx. 95×49×185 mm

OVP-15 (Polarizer)

Applicable fiber	SMF 9/125 μ m (PC)
Optical connector	2×FC, SC, DIN, etc. (Interchangeable adapter system)

Max. allowable input power	+23 dBm
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Ambient temperature conditions

Nominal range of use	-5 to +45°C/23 to 114°F
Storage and transport	-20 to +45°C/-4 to 114°F
Dimensions (w×h×d)	approx. 3.7×1.9×7.7 in approx. 95×49×185 mm

Bit rate Gbps	Max. PMD (ps)	PMD coeff. of fiber for 400 km length (ps/√km)
2.5	40	< 2.0
10	10	< 0.5
40	2.5	< 0.125

table 1 Maximum allowed PMD values for digital signal transmission

Ordering information

ONT-50 Optical Network Tester BN 3070/01

(mainframe with four free configurable slots available and color TFT display touchscreen)
A minimum of one module must be ordered and a maximum of four slots can be fitted. The mainframe can be equipped with a combination of modules.

One type of optical connector must be selected from BN 2060/00.xy as listed below.

Optical connectors

Measuring adapter	
FC, FC-PC, FC-APC (NTT)	BN 2060/00.51
SC, SC-PC, SC-APC (NTT)	BN 2060/00.58
ST Type (AT&T)	BN 2060/00.32
Optical test adapters:	
ST type (AT&T)	BN 2060/00.32
HMS-10/A, HFS-13/A (Diamond)	BN 2060/00.34
HMS-10, HFS-13 (Diamond)	BN 2060/00.35
"Keyed Biconic", Twist-Proof (AT&T)	BN 2060/00.37
D4 (NEC)	BN 2060/00.40
DIN 47256	BN 2060/00.50
FC, FC-PC (NTT)	BN 2060/00.51
E 2000 (Diamond)	BN 2060/00.53
SC, SC-PC (NTT)	BN 2060/00.58

Acterna offers a wide range of optical power meters, sources and attenuators. Contact your local sales representative for details.

Optical attenuators

FC-PC, 10 dB, 1310/1550 nm	BN 2239/90.30
SC, 10 dB, 1310/1550 nm	BN 2239/90.38

Digital modules

Module 2.5G BN 3070/90.18

OC-48/12/3 & STM-16/4/1, 1310/1550 nm
SDH, SONET
1 slot

1-port 10G 1550 nm BN 3070/90.01

OC-192 & STM-64
SDH, SONET
1 slot

Module 10G 1310 nm BN 3070/90.15

OC-192 & STM-64
SDH, SONET
1 slot

OTN Module 2.5/2.7G FEC BN 3070/90.17

OC-48/12/3 & STM-16/4/1 & OTN1, 1310/1550 nm,
SDH, SONET, OTN
1 slot

OTN Module 10/10.7G FEC BN 3070/90.30

OC-192 & STM-64 & OTU2, 1550 nm,
SDH, SONET, OTN
1 slot

OTN Module 10/10.7G FEC version 2 BN 3070/90.32

OC-192 & STM-64 & OTU2, 1550 nm,
Electrical interfaces
1 slot

NewGen Module 2.5G BN 3070/90.40

OC-48/12/3 & STM-16/4/1, 1310/1550 nm,
SDH, SONET, EOS
1 slot

Ethernet Module 1G BN 3070.xx.yy

4 ports 1000BASE-SX/LX
SFPs are not included
1 slot

Jitter module 10/10.7G BN 3070/90.91

TX built-in BN 3070/90.32
RX 1 slot

