

OPTICAL SPECIFICATIONS²

MODEL FVA-80	-BXX	-CXX	-DXX	-EXX
Fiber Type(μm)	9/125	50/125	62.5/125	100/140
Calibration Wavelengths (nm)	1300,1550	850,1300	850,1300	850,1300
Maximum Attenuation (dB)	-65	-65	-65	-65
Insertion Loss ³ -max (dB)	-3.0	-3.0	-3.0	-3.0
-typical (dB)	-2.4	-2.2	-2.2	-2.2
Optical Resolution (dB)	±0.01	±0.01	±0.01	±0.01
Linearity (dB) ⁴	±0.05	±0.05	±0.05	±0.05
Repeatability -max (dB)	±0.03	±0.03	±0.03	±0.03
-typical (dB)	±0.01	±0.01	±0.01	±0.01
Back-reflection ^{5,5}				
Standard Unit -max (dB)	-28	-26	-26	-26
-typical (dB)	-31	-29	-29	-29
LBR Option -max (dB)	-45	N/A	N/A	N/A
-typical (dB)	-50	N/A	N/A	N/A

GENERAL SPECIFICATIONS²

Size	26 X 22.5 X 9 cm	10 1/4 x 8 7/8 x 3 1/2 in
Weight		
• Unit:	4kg	9 lb
• Shipping:	7 kg	15 lb
Speed	0 to 65 dB in 60 seconds at maximum scan rate	
Environment		
• Operating temperature:	-10 °C to +40 °C	
• Storage temperature:	-30 °C to +60 °C	
• Relative humidity:	0 to 90% non-condensing	
Power		
• AC (85-264 VDC, 47-63 Hz)		
• Rechargeable batteries (approx 12 hours)		
• DC supply (12 VDC ±3, 1.5 A)		
Standard Accessories	Carrying handle, AC cord, manual and rechargeable battery	

ORDERING INFORMATION

FVA-90-[1][2][3][4][5][6]

[1] Specify the type of fiber on which the attenuator will be used.

- | | |
|------------------------------|-------------------------------|
| B: Singlemode 9/125 μm fiber | C: Multimode 50/125 μm fiber |
| D: Multimode 62/125 μm fiber | E: Multimode 100/140 μm fiber |

[2][2] Input/Output connectors may be fixed or interchangeable:

A: Fixed connectors

- | | | | |
|-----------------------------|---------------------|-----------------------|-----------------|
| 10: Untermated fibers | 12: Biconic | 14: NEC-D4 | 16: SMA-906 |
| 22: NTT-FC | 24: Radial VFO | 26: Stratos (430-830) | 28: Diamond DIN |
| 32: AT&T-ST | 34: AT&T (type BNC) | 40: Diamond HMS | 42: Radial PFO |
| 44: Radial MFO | 50: NTT-FC/PC | 52: Biconic Bayonet | 54: NTT-SC |
| 58: NTT-FC/APC Seiko Geiken | 60: Radial VFO-DF | 62: NEC-D4/PC | |
| 70: NTT-FC/Super PC | 74: AT&T ST/PC | 78: Radial EC | |

B: Interchangeable connectors for use with the optional Universal Interface System UIA (2 universal receptacles and 2 connector adapters for each connector type you wish to use are required):

- | | | |
|---------------------|---------------------|-----------------|
| UIA-12: Biconic | UIA-14: NEC-D4 | UIA-16: SMA-906 |
| UIA-22: NTT-FC | UIA-28: DIAMOND DIN | UIA-32: AT&T-ST |
| UIA-40: DIAMOND HMS | UIA-54: NTT-SC | |

[3][3][3] Indicate whether the unit will have a second set of input/output ports (use same codes as [1] and [2][2])

[4][4] Specify your choice of optional computer interface:

- RS: Serial RS-232 interface
- IE: IEEE-488 interface
- RS-IE: Both interfaces

[5][5][5] Specify -LBR option for Low Back-Reflection option on Singlemode units only.

[6][6] RK option may be ordered to allow the rack-mounting of the FVA-80 (19-inch rack)

Notes:

- IBM PC is a registered trademark of International Business Machines
- Measured at 23 ± 2 °C unless otherwise specified
- May vary according to specific type of input/output connectors
- Source wavelength dependence: below 0,0008 dB/dB x nm at 1300 nm typical
- At 1300 nm



ALSO AVAILABLE FROM EXFO

LAN / ISDN / FDDI / SHORT HAUL / CATV PRODUCTS

FOT-10	Low cost dBm optical power meter
FOT-20	Low cost power meter (dBm, dB, W)
FOT-30	Low cost attenuation meter (dBm, dB, W)
FOT-50	Power/attenuation meter with optional source
FOS-120	Low cost LED source
FLS-130	Low cost Laser source
FLS-230A	Visual fault locator at 650 nm
VCS-15	Dual-fiber long range talk set

TELECOM / SONET / CATV PRODUCTS

FOT-900	Power/attenuation/return loss test set with FasTest™
FOT-900PC	Power/attenuation/return loss test set with FasTest™ on card for PC
FOT-90(E)	Power meter/attenuation meter and dual source
FLS-210A	LED/Laser dual-wavelength source (FasTest™-compatible)
VCS-20A	Single-fiber multi-party talk set
BRT-320	Hand-held back-reflection test set

LABORATORY AND HIGH END PRODUCTS

FOT-150	Attenuation/return loss test set
FLS-220	High performance variable LED/Laser source
BRT-300	Optical back-reflection test set
VBR-310	Variable optical back-reflector
FOT-140	4 Channel power meter on card for PC

OPTICAL TIME DOMAIN REFLECTOMETERS

FCS-100	
FCS-102B	Singlemode OTDR at 1310 nm on a PC-card
FCS-103B	Singlemode OTDR at 1550nm on a PC-card
FCS-123B	Singlemode 1310/1550nm OTDR on a PC-card
FCS-102C/D	Multimode 1310 nm OTDR on a PC-card
FCS-101C/D	Multimode 850nm OTDR on a PC-card

TEST KITS AND ACCESSORIES

TK-XXX	Several application-specific test kits (FDDI, LAN, etc.)
TJ-XXX-XX	Full range of test jumpers
FOA-XX	Full range of connector adapters for power meters
UIA-XX	Complete selection of interchangeable adapters (for Universal Interface only)

Contact EXFO for prices & availability or to obtain the phone number of your local EXFO agent.



Many Input/Output connectors can be installed on the FVA-80 High performance variable attenuator. A large selection of fixed or interchangeable connectors may be obtained from EXFO.

EXFO

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