

# FVA-600 Variable Attenuator



SPEC SHEET

Delivers the highest performance within handheld optical attenuators on the market.

## KEY FEATURES

- Most compact and rugged portable attenuator on the market
- Low cost of ownership: three-year warranty and recommended calibration interval
- Three operating modes: Absolute, Relative and Power
- Backlit display, optimized for dim environments
- USB-based remote control capability, for easy test routine integration
- Rechargeable Li-ion battery

## APPLICATIONS

- Handles high power up to 24 dBm, suiting any application, including CATV and telco
- BER testing-ready: high optical resolution of 0.01 dB
- FTTx-ready: standard 1310, 1490, 1550 and 1625 nm wavelengths

## COMPLEMENTARY PRODUCTS



**SONET/SDH Test Modules**  
FTB-8115 – FTB-8120  
FTB-8130 – FTB-8140



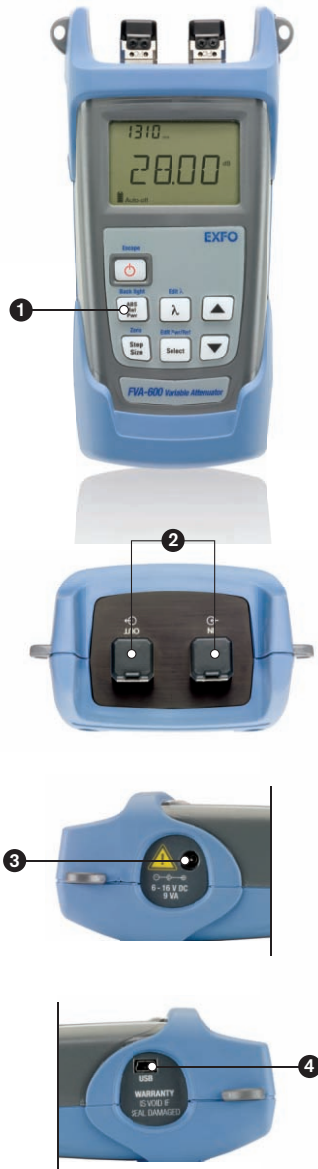
**Optical Light Sources**  
FLS-300  
FLS-600



**Optical Power Meters**  
FPM-300  
FPM-600



Assessing  
Next-Gen Networks



- 1 Backlit keyboard and screen
- 2 In/out universal optical interfaces
- 3 AC adapter
- 4 USB port for remote applications

### SPECIFICATIONS<sup>a</sup>

Fiber type (µm)	9/125
Calibration wavelengths (nm)	1310/1550
Wavelength range (nm)	1250 to 1625
Wavelength increment (nm)	1
Maximum attenuation (dB)	65
IL (dB) <sup>b, c, d</sup>	≤1.5
Resolution (dB)	0.01
Linearity (dB) <sup>b, c, e</sup>	±0.1
Repeatability 2σ (dB) <sup>c</sup>	±0.1
Optical return loss (dB) <sup>f, h, i</sup>	>50
Max. input power (dBm) <sup>g</sup>	24
Battery life (hours) <sup>e</sup>	>300
Warranty and recommended calibration interval (years)	3

### GENERAL SPECIFICATIONS

Size (H x W x D)	190 mm x 100 mm x 62 mm (7 1/2 in x 4 in x 2 1/2 in)
Weight	0.6 kg (1.3 lb)
Temperature	operating: -10 °C to 50 °C (14 °F to 122 °F) storage: -40 °C to 70 °C (-40 °F to 158 °F)
Relative humidity	0 % to 95 % non-condensing
Power	AC adapter and rechargeable Li-ion battery

### STANDARD ACCESSORIES

User guide, Certificate of Calibration, quick reference sticker in five languages, AC adapter/charger, connector adapter (EUI-XX), lithium ion battery, shoulder strap, semi-rigid carrying case, USB cable, instruction manual on CD

#### Notes

- a. At 23 °C ± 3 °C.
- b. At 1310 nm ± 30 nm.
- c. At 1550 nm ± 40 nm.
- d. Excluding connectors.
- e. Typical.
- f. At minimum IL.
- g. Prolonged exposure to maximum input power will impair linearity calibration.
- h. At 1310 nm ± 1 nm and 1550 nm ± 1 nm.
- i. Including connectors.

### ORDERING INFORMATION

#### FVA-600-B-XX

#### Connector

EI-EUI-28 = UPC/DIN 47256	EA-EUI-28 = APC/DIN 47256
EI-EUI-76 = UPC/HMS-10/AG	EA-EUI-89 = APC/FC narrow key
EI-EUI-89 = UPC/FC narrow key	EA-EUI-91 = APC/SC
EI-EUI-90 = UPC/ST	EA-EUI-95 = APC/E-2000
EI-EUI-91 = UPC/SC	EA-EUI-98 = APC/LC
EI-EUI-95 = UPC/E-2000	
EI-EUI-98 = UPC/LC	

Example: FVA-600-B-EI-EUI-89

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EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation. Units of measurement in this document conform to SI standards and practices. In addition, all of EXFO's manufactured products are compliant with the European Union's WEEE directive. For more information, please visit [www.EXFO.com/recycle](http://www.EXFO.com/recycle). Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.

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In case of discrepancy, the Web version takes precedence over any printed literature.