

# FVA-600 variable attenuator



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

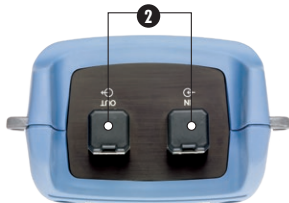


**Optical light sources**  
FLS-300  
FLS-600



**Optical power meters**  
FPM-300  
FPM-600





- 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

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