

# FVA-30

## Digital Variable Attenuator



### Key Features

- Low insertion loss
- Wide attenuation range up to 80dB
- Three attenuation steps available: 10dB, 1.0dB, 0.1dB.
- Reliable bi-directional attenuation
- Easy-to-use interface with large display for easy visibility.
- Cost efficient palm size tester designed for field and lab testing.
- Field changeable connectors
- Battery capacity indicator gives warning when power is low

### Standard Package

- SC, FC and ST connectors
- Rechargeable Battery
- AC/DC Power Adapter
- Soft carrying case
- Operating Manual

### Related Products

FVA-40

### Ordering Information

FVA-30X

X – A (0-80dB)

B (0-60dB)

FVA-30 series is the new member to FibreOptica’s variable attenuator family. It is a compact instrument widely used to reduce the power level of an optical signal to meet input request in various applications. The wide attenuation range of up to 80dB consolidating with digital coarse and fine adjustment, it is more suitable for laboratory, production environment and field work. With one of FibreOptica’s optical power meter series products, the user can simply select a suitable output level. Not limited to specified wavelength 1310nm and 1550nm, this device can be used for other wavelengths if necessary.

### Specifications

Model	FVA-30A	FVA-30B
Calibrated Wavelength	1310nm, 1550nm	
Fiber Type	SMF 9/125 μm	
Attenuating Range	0 ~ 60dB	
Linearity	≤ 0.3dB	
Accuracy	0.2dB @ 0 ~ 30dB 0.5dB @ 30 ~ 60dB 2dB @60 ~ 80dB	0.2dB @ 0 ~ 20dB 0.5dB @ 20 ~ 50dB 1dB @50 ~ 60dB
Insertion Loss	< 2dB	
Return Loss	> 45 dB (Typical)	
Repeatability	0.05 to 0.1dB	
Max Input Power	24dBm	
Power Supply	1.2V Ni-MH Battery, 2pcs	
Connector	FC, SC and ST	
Operating Temperature	-10 ~ +50°C	
Storage Temperature	-20 ~ +60°C	
Relative Humidity	0% ~ 95% non-condensing	
Dimensions (mm)	160(L) x 76(W) x 45(H)	
Weight with Battery	360g	

Note: Specifications subject to change without notice

### Options

Part Number	Descriptions
MFA-FCLC	FC (Male) to LC (Female) Adapter
MFA-SCLC	SC (Male) to LC (Female) Adapter
MFA-STLC	ST (Male) to LC (Female) Adapter
Other types of connectors	Check to agent for availability
Hard-case	Hard Carrying case