

FVA-40

Digital Variable Attenuator



FVA-40 is an advanced digital optical variable attenuator. It is widely used to reduce the power level of an optical signal to meet input request in various applications. The compact instrument allows the user quickly and accurately setting attenuation on four calibrated wavelengths, 1310nm, 1490nm, 1550nm and 1625nm, which are commonly used in FTTH and Fiber Monitoring. Consolidating with digital coarse and fine adjustment, it is more suitable for a 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 wavelengths, this device can be used for other wavelengths within the applicable range if necessary.

Specifications

Model	FVA-40
Wavelength Range	1260 ~ 1650nm
Calibrated Wavelength	1310nm, 1490nm, 1550nm and 1625nm
Fiber Type	SMF 9/125µm
Connector Type	FC/PC
Attenuating Range	2.5 ~ 60dB
Attenuating Step	0.05dB
Linearity	≤ 0.5dB
Accuracy	± 0.8 dB
Insertion Loss	< 1.5dB
Return Loss	> 35 dB (Typical value 40dB)
Repeatability	± 0.2dB
Max Input Power	24dBm
Power Supply	Rechargeable Battery, 7.4V
Auto Power Off	Yes
USB Interface	Connecting to PO for calibration purpose
Operating Temperature	0 ~ +40°C
Storage Temperature	-10 ~ +60°C
Relative Humidity	0% ~ 85% non-condensing
Dimensions (mm)	210 (L) x 115 (W) x 55 (H)
Weight with Battery	450g

Note: Specifications subject to change without notice

Key Features

- Low insertion loss
- High Input Power
- Wide attenuation range
- Reliable bi-directional attenuation
- Easy-to-use interface.
- Auto Power Off
- Mechanical type and Memory Capability – can memorize the attenuating value and the setting used previously before unit power shutting off. Without power on, the device can still work at last setting.
- Cost-efficient palm-size tester designed for field and lab testing.
- Battery capacity indicator gives warning when power is low

Related Products

FVA-30A
FVA-30B

Standard Package

- FC connectors
- Rechargeable Battery
- AC/DC Power Adapter
- Soft carrying case
- Operating Manual
- Protective Rubber Boot

Options

Part Number	Descriptions
FCO-SET	Optical Fiber Connector Set – FC, ST and SC Interchangeable connector set
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	Upon request

Ordering Information

FVA-40