



VOA-C-M



DEVICE

Programmable Variable Optical Attenuator

OVERVIEW

The Optilab VOA-C-M series is a programmable module variable optical attenuator, ideal for general lab testing and various applications such as EDFA amplifier qualification, DWDM system characterization, and loss simulation. The VOA-C-M has a nominal resolution of 0.02 dB and attenuation range of 38 dB, with the front panel providing an intuitive setting of the desired attenuation value. The OLED screen displays the input and output power as well as the attenuation level, with the built-in RS-485 port allowing for remote control and monitoring. The VOA-C-M is available in single mode output (SM). Contact Optilab for more information.

FEATURES

- Single Mode output
- RS-485 Remote Interface
- Accuracy of +/- 0.5 dB
- +/- 0.1 dB Repeatability
- 1550 nm
- Battery & USB power
- 38 dB Range

USE IN

- Loss Simulation in Fiber Optic Links
- EDFA Output Power Characterization
- Power Meter Linearity Calibration
- Precise Optical Power Control
- Analog Transmission Tests
- Bit Error Rate Tests





VOA-C-M

SPECIFICATIONS

Operating Wavelength Range	1530 nm to 1570 nm
Attenuation Range	40 dB
Resolution	0.02 dB
Accuracy	± 0.5 dB
Intrinsic Insertion Loss	1.0 dB typ.
Max. Optical Input Power	500 mW
Wavelength Dependence Loss	± 0.1 dB
Optical PDL @ 1550 nm	0.05 dB max.
Optical Fiber	SMF-28

GENERAL

MECHANICAL

Temperature Range	0 °C to +40 °C (Operation), -40 °C to +65 °C (Storage)
Humidity	0 - 85% Relative Humidity
Power Supply Requirements	USB or Battery
Optical Connectors	FC/APC
Remote Control	RS-232 through USB
Local Alarm	LED: DC Power
Dimensions	6.3" x 5" x 2"

