



This highly accurate optical variable attenuator – 735 designed for laboratory & field use during measurement of

- 1 Optical power
- 1 Optical loss
- 1 Transmission rate
- 1 Optical transmission characteristics

This instrument can be extensively used during installation, maintenance of optic fiber communication equipment and optic links of SM fiber.

Using this instrument Optical signal can be precisely attenuated before being measured in 1310nm & 1550nm wavelength. This digital & micro-controlled optical attenuator allows user to attenuate the optical power for 0 to 60 dB variation in steps of 0.01 dB of entire range. For quick attenuation sets this product has step level option of 0.50, 1.0, 5.0, 10.00 & 20.00dB.

It's high attenuation accuracy provides user to highly rely on attenuation set value. It's continuous operation and relative attenuation measurements modes will facilitate the user during measurement. This products is also supported with RS-232C interface for PC based control of operation. It's graphical display with back light provides the information of attenuation set values, Relative attenuation set value, λ selection, step size and attenuation set information.

It's Key Features are :

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|--------------------------------|---|
| 1 Attenuation Range : 0-60 dB | 1 PDL : ≤ 0.05 dB @ 1550 nm |
| 1 High Resolution : 0.01 dB | 1 Digitally Controlled |
| 1 High Accuracy : ± 0.1 dB | 1 RS 232c Interface for PC/External Control |

TECHNICAL SPECIFICATION

MODEL	735
Calibrated Wavelengths	1310nm & 1550nm
Fiber Type	SM 10/125 and SM 9/125
Optical Connectors	FC/PC(standard) or As per Order
Attenuation Range	0 to \geq 60dB
Residual Attenuation	\leq 2.0dB (Typical)
Attenuation Accuracy	\pm 0.1 dB
Repeatability	\pm 0.01 dB
Return Loss	\geq 45 dB
PDL	\leq 0.05 dB @ 1550 nm
Max. Input power	+ 18 dBm
Display	LCD with backlight (Optical Attenuation, Calibrated Wavelength, Relative Value, Step operation)
Resolution	0.01dB
Steps	20dB, 10dB, 5dB, 1dB, 0.1dB, 0.05dB, 0.01dB Selectable
Interface	RS232C with 9 Pin D Type Cable for PC interface
Size & Weight	180mm(W)x120mm(H)x260mm(D) / <4 Kgs. 7.2"(W) X 4.8"(H) X 10.5"(D) / 8.8 lbs.
Power Supply	AC main supply 84 - 264 VAC, 50/60 HZ
Operating Environments	Temperature: -10 to +50 ^o C Humidity ; RH95% or less non-condensing
Storage Environments	Temperature: - 20 to +60 ^o C Humidity ; RH95% or less non-condensing
Electro Magnetic Compatibility (EMC)	CISPR-11, IEC-1000-4-2, IEC-1000-4-4, IEC-1000-4-5, IEC-801-3
Accessories	Carrying case, 9 Pin D Type Cable for Computer Interface

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