

# OPTICAL VARIABLE ATTENUATOR

## MODEL # 735

**TEC APPROVED**



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 measured in 1310nm & 1550nm wavelength. This digital & micro-controlled optical attenuator allows user to attenuate the optical power from 0 to 60dB variation in steps of 0.01dB of entire range. For quick attenuation sets this product has step level option of 0.50, 1.0, 10.00 & 20.00dB.

Its 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 its graphical display with backlight provides the information of attenuation set values, relative attenuation set values,  $\lambda$  selection, step size and attenuation set information (STATUS).

### **SPECIFICATIONS:**

Calibration Wavelength	1310nm & 1550nm
Fiber Type	SM 10/125 and SM9/125
Optical Connectors	FC/PC(standard)
Attenuation Range	>60dB
Residual Attenuation **	<2.0dB (Typical)
Attenuation Accuracy **	$\pm 0.1$ dB
Repeatability **	$\pm 0.01$ dB
Return Loss **	>45dB
PDL **	<0.05dB @1310nm
Max. Input power	+18dBm
Display	LCD with backlight (Optical Attenuation, Calibration Wavelength, Relative Value, Step Operation)
Resolution	20 dB, 10 dB, 5 dB, 1 dB, 0.5dB, 0.1dB, 0.05dB, 0.01dB Selectable
Interface (RS-232C)	connector ; mini jack (Attenuation Control, Wavelength selection, Relative Value with Zero Set and Step size selection Operation)
Size	180mm(W) $\times$ 120mm(H) $\times$ 260mm(D), <4 Kg
Power Supply	AC main supply 84 – 264 VAC 50/60 Hz & Battery Operation for $\approx$ 7hrs
Operating Environments	Temperature ; -10 to +50 Deg C Humidity ; RH95% or less non-condensing
Storage Environments	Temperature ; -20 to +60 Deg C Humidity ; RH95% or less non-condensing
Accessories	FC/PC connector(standard) $\times$ 2, Carrying case, 9 Pin D Type Cable for Computer Interface



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