

## ULTRA STABLE



Dual Laser Light Source 1310nm/1550nm designed and developed by ATL International Inc. is a stabilized switchable wavelength laser light source instrument for field or laboratory testing of fiber optic system. It features excellent accuracy in both wavelengths and also high performance source for SMF testing. RS232 port is provided for external control using a PC. The instrument is dust proof & drop protected.

It's main applications are measurement of insertion loss, back reflection, attenuation measurement, fiber identification using modulated modes, cable acceptance testing and end to end testing of optical links.



### Front panel and controls :

16x2, Alpha numeric display displays complete details of system process, on-line data, error messages and help information.

Soft touch descriptive membrane keys are provided for an user friendly operation and protection from dust/moisture.

### FEATURES:

- 1 Switchable wavelength 1310nm/1550nm through one connector
- 1 Accurate and easy to use
- 1 Exceptional power stability with no warm up period required.
- 1 FC-PC connector or as per order
- 1 Rugged construction
- 1 Digital loop controlling & TEC system for highest stability of power
- 1 Self tests each time after power on & displays Error messages
- 1 16 x 2 Alpha numeric Back light display

### SPECIFICATIONS:

Type of Light Source	: Laser Source (DFB – LD)
Wave Lengths	: 1310nm/1550 nm $\pm$ 10nm
Output power	: - 3.0 dBm
Variation in O/P power	: Upto 6.0 dB With resolution of 0.1dB
Spectral Width	: $\leq$ 1nm (1310nm/1550nm)
Output Level Stability	
1. Short Term ( 1 hr.)	: $\pm$ 0.05 dBm
2. Long Term (24 hrs.)	: $\pm$ 0.25 dBm
Electro Magnetic Compatibility (EMC)	: CISPR-11, IEC-1000-4-2, IEC-1000-4-4, IEC-1000-4-5, IEC-801-3
Modulation	: 270Hz, 1KHz & 2KHz
Output Connector	: FC-PC Type or as per order
Power Supply	: ~85V – 240 V AC / 47-440 Hz
Size	: 280(L) x 180(W) x 70(H) in mm 11.2"(L) x 7.2"(W) x 2.8"(H)
Weight	: 1 Kg. / 2.2 lbs.
Operating/Storage temp.:	: -10 $^{\circ}$ to 55 $^{\circ}$ C/-25 $^{\circ}$ to 70 $^{\circ}$ C
Interface	: RS232c with standard 9pin D-type serial port connector to PC
Enclosure	: Polycarbonate

### ATL International Inc.

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**ATL International Inc.**

**HAND HELD DUAL LASER LIGHT SOURCE 1310nm/1550nm - HHLS-135A**

Hand held laser source 1310nm/1550nm designed and developed by ATL International Inc. is switchable between 1310nm & 1550nm wave lengths and it is a suitable laser source for field personnel to maintain & trouble shoot the Fiber Optic Networks. It is a simple and robust instrument and capable of working continuously in the field without sacrificing the performance. RS232c port is provided for external control using PC & It can generate modulations of 270 Hz, 1KHz & 2KHz for Fiber Identification & Trouble shooting Purposes.

It's main applications are measurement of insertion loss, back reflection, attenuation measurement, fiber identification using modulated modes, cable acceptance testing and end to end testing of optical links.

#### **FEATURES:**

1 Truly Hand Held 1 Switchable wavelength 1310nm/1550nm through one connector 1 Accurate and easy to use 1 Exceptional power stability with no warm up period required. 1 FC-PC connector or as per order 1 Rugged construction 1 Digital loop controlling & TEC system for highest stability of laser power 1 Self tests each time after power on & displays Error messages 1 16 x 2 Alpha numeric Back light display

#### **SPECIFICATIONS:**

Type of Light Source	: Laser Source (DFB – LD)
Wave Lengths	: 1310nm/1550 nm $\pm$ 10nm
Output power	: - 3.0 dBm
Variation in O/P power	: Upto 6.0 dB With resolution of 0.1dB
Spectral Width	: $\leq$ 1nm (1310nm/1550nm)
Output Level Stability	
1. Short Term (1 hr.)	: $\pm$ 0.06 dBm
2. Long Term (8 hrs.)	: $\pm$ 0.10 dBm
Electro Magnetic Compatibility (EMC)	: CISPR-11, IEC-1000-4-2, IEC-1000-4-4, IEC-1000-4-5, IEC-801-3
Modulation	: 270Hz, 1KHz & 2KHz
Output Connector	: FC-PC Type or as per order
Power Supply	: Type 'AA' rechargeable cells (1.2 Volts x 4 Nos.) AC - DC adaptor Input ~ 85V - 240 V to 6 V @ 200mA
Size	: 174(L) X 83(W) X 53(H) in mm 6.8"(L) X 3.4"(W) X 2.1(H)
Weight	: 380 Gms. with Batteries
Operating/Storage temp.:	: -10° to 55°C / -25° to 70°C
Interface	: RS232c with standard 9pin D-type serial port connector to PC
Enclosure	: Polycarbonate



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