AISHWARYA TELECOM

TEC Approved

ULTRA STABLE LASER LIGHT SOURCE LSDT - 1310

Laser Light Source 1310nm designed and developed by AISHWARYA TELECOM is a Stabilized Laser Light Source instrument for field or laboratory testing of fiber optic systems. It features excellent accuracy and high performance source for SMF testing. The RS 232c port is useful for external control using a PC. The instrument is dust proof & drop protected. It is also a simple menu operational, Portable & easy to use laser source.

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 :

Finger touch control pannel with 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:

- Accurate and easy to use
- Exceptional power stability with no warm up period required.
- FC-PC connector or as per order
- Rugged construction
- Digital loop controlling system with TEC for highest stability of laser power
- Self tests each time after power on & displays Error Messages

SPECIFICTIONS:

• Type of Light Source	: Laser Source (DFB – LD)
• Wave Lengths	: 1310nm ± 10nm
• Output power	: - 3.0 dBm
• Variation in O/P power	: Upto 6.0 dB With resolution of 0.1dB
• Spectral Width	: ≤ 1nm
• Output Level Stability	
1. Short Term (I hr.)	: ± 0.05 dBm
2. Long Term (24 hrs.)	: ± 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 A-C / 47-440 Hz
• Size	: 280(L) X 180(W) X 70(H) in mm 11.024"(L) X 7.087"(W) X 2.756"(H)
• Weight	: 1 Kg. / 2.2 lbs.
• Operating/Storage temp.	: -10 ° to 55°C/-25 ° to 70°C
• Serial Interface	: Standard 9 pin D-type serial port connector to PC
• Enclosure	: Polycarbonate