



Stabilized Mini Laser Source

Network Installation and Maintenance

The OT-3220/3221 is designed for a high performance stabilized laser source, especially in practice for FTTX networking installation and maintenance fieldworks environment requirements. It is usually applied as stable laser sources for wide range of optical testers and tools in optical fiber cabling and transmission systems. OT-3220/3221 performance is in compliant with Bellcore requirements for a stable and accurate laser sources by an internal monitor photo-diode which serves as a real-time feedback to adjust the laser current in order to be used fairly stable at certain temperature variance environment.

With FTTX fieldwork practice in mind, the straightforward control panel and the smallest size with its ergonomic exterior design, it is perfect for field fiber testing splicing, connector loss, cable acceptance, attenuation, fiber-type identification in various LAN, FDDI, and ISDN networks throughputs

Main Features

- Dual Wavelength Laser Sources
- CW and 2 kHz, 270 Hz modulation options
- Ergonomic, eye-catching mini handheld package
- Easy of use in FTTX fieldwork environment
- Auto-off for battery saving
- LCD Display with Backlight
- LED Flashlight Luminosity

Applications

- Fiber Loss Measurement
- Fiber Attenuation Measurement
- Stabilized Laser Sources for loss measurement in FTTX networks, can be in use with a high precision Power Meter (e.g. OT-2500)
- Fiber cable identification by using CW or 2 kHz modulated light source



Frederick Engineering, Inc.
832 Oregon Avenue, Suite M
Linthicum, MD 21090



Phone: 410-789-7890
Fax: 410-789-7670
e-Mail: fe@fetest.com

www.fetest.com

Specifications

Item/Model	OT-3220	OT-3221
Laser Type	FP Laser, Class I	
Wavelength	1310/1550 nm \pm 30 nm	1310/1550 nm \pm 30 nm
Spectral Width	\leq 5 nm	
Output Power ²	³ -6.5 dBm	³ -3.0 dBm
Stability in 1Hr (8 Hr) ³	\pm 0.05 dB (\pm 0.1 dB)	
Temperature Stability	\pm 0.02 dB/ $^{\circ}$ C	

Dimensions	120 (L) x 60 (W) x 25 (H) mm
Weight	< 280 g
Temperature	Operating: 0 to +50 $^{\circ}$ C Storage: -20 to +60 $^{\circ}$ C
Humidity	5 to 95 % (non condensing)
Adapter	SC or FC or LC (optional)

Remarks:

1. Measured at 23 \pm 2 $^{\circ}$ C with Telecordia Technical Reference
2. Coupled into 9/125 mm fiber
3. Typical 20-minute warm-up period of time

Accessories:

- One instruction manual
- Two AAA size alkaline batteries
- One certification sheet
- One protection bumper and strap

Frederick Engineering, Inc.
832 Oregon Avenue, Suite M
Linthicum, MD 21090



Phone: 410-789-7890
Fax: 410-789-7670
e-Mail: fe@fetest.com

www.fetest.com