

# Tuneable Laser Source

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## Features:

- Selectable Step Size Down to 50 GHz
- Selectable Start & Stop Channels
- Settable in Wavelength or Frequency
- Settable Dwell Time
- Available in C or L Band
- Sealed Rugged Case with Impact Resistant Boot
- USB PC Interface with Remote operation Capability
- Battery Operated or International Line Voltage
- Simple Operation with On-Line Help Mode
- Lowest Cost Hand Held Tuneable Laser Source
- Interchangeable Fiber Optic Connectors
- Up to 88 Channels on the ITU Grid
- Fast Turn-On
- 4" Color Display
- 4 hr Battery Life



The Terahertz Technologies FTE-6000 Hand Held Tuneable Laser Source (TLS) Is available in C and L Bands. The FTE-6000 is manufactured in our rugged splash proof housing with a highly protective boot. Our TLS displays in wavelength, frequency or ITU channel. The Tuneable Laser Source is a great match with our FTE-8000 (Optical Spectrum Analyzer) for installation, commissioning and trouble shooting of DWDM networks. If necessary, the supplied virtual instrument software may be used to operate the unit remotely. The FTE-6000 offers a fast start up with minimal warm up required and provides very stable wavelength and power outputs. As with all of our Advanced tests equipment series, the FTE-6000 is affordable, easy to use and rugged. Ask about our kit offerings, such as the FTE-8600 Combo Kit.

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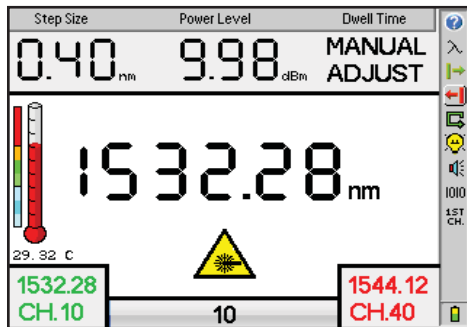


Made In the USA

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## Ideal for Installation, Maintenance and Upgrades of DWDM Systems



With the TTI FTE-6000 Tuneable Light Source, you can conduct a sweep of the ITU Grid by setting your beginning and ending wavelengths. You can also set your step size, power level, dwell time and whether you want the sweep to move up or down the scale. You can even set it to repeat the sweep.

## Specifications

Frequency Range	FTE-6000 C 192 - 196 THz (1529-1563nm) FTE-6000 L 187 - 191 THz (1569-1607nm)
Accuracy	1.5 GHz
Line Width	1 MHz
Side Mode Suppression Ration	45 dB
Output Power Range	+8 dBm to +14 dBm (C Band) +5 dBm to +11 dBm (L Band)
Power Setting Resolution	0.01 dB
Power Stability	0.5 dB
Minimum Channel Spacing	50 GHz (0.4nm)
Fiber Type	9/125 $\mu$ m
Relative Intensity Noise	-140 dB/Hz
Graphical Display	4 in Color TFT
Dimensions	7.75 x 4.5 x 2.25 inches
Weight	2 lbs
Battery	Rechargeable NiMH - 4 hours operating time
Power	100-240 universal US, GB, EU, AU Mains
Environmental	Operation -10°C to + 40°C
Accessories Included	Universal power supply with mains for US, UK, CE and AU. Interchangeable FC and SC adaptors, Windows <sup>TM</sup> Compatible Software, USB Cable, Manual and Rubber Boot

*TTI reserves the right to change specifications without notice.*

## Part Numbers

FTE-6000C	C-Band Tuneable Laser Source
FTE-6000L	L-Band Tuneable Laser Source
FTE-8600C	C-Band Tuneable Laser Source with C Band Optical Spectrum Analyzer
FTE-8600L	L-Band Tuneable Laser Source with L Band Optical Spectrum Analyzer



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