

Tunable 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
- 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 Tunable 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 Tunable Laser Source (TLS) 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 (Hand Held Optical Spectrum Analyzer) for installation, commissioning and trouble shooting of DWDM networks. 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.

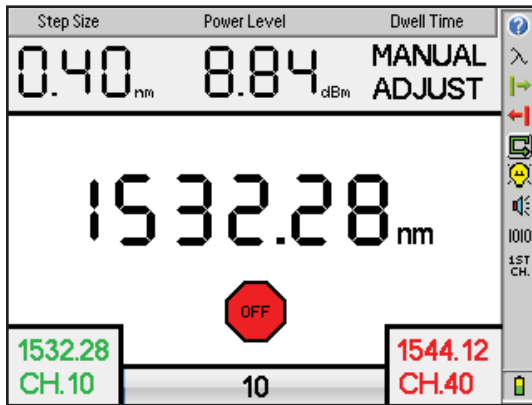


Made In the USA

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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 step size, power level, dwell time and whether the sweep should move up or down the scale. It may also be set to conduct continuous sweeps.

Laser Safety

Class 1M Laser Product



Specifications

| | |
|---------------------------------------|--|
| Frequency Range | 192 - 196 THz (1529-1563nm) |
| Accuracy | 1.5 GHz |
| Line Width | 1 MHz |
| Side Mode Suppression Ration | 45 dB |
| Output Power | >12 dBm |
| Attenuation Range | 0 - 5 dB |
| Power Setting Resolution | 0.01 dB |
| Power Variation over Wavelength Range | ± 0.5 dB |
| Minimum Channel Spacing | 50 GHz (0.4nm) |
| Fiber Type | 9/125 µm (Non PM) |
| ±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™ 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-8600C | C-Band Tuneable Laser Source with C Band Optical Spectrum Analyzer |



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