

ACP8712C Computer Controlled Tunable Laser Source with Sweep Function



ACP8712C Computer Controlled Tunable Laser Source with Sweep Function offers superior performances for testing of DWDM components, AWG & PLC components, optical amplifiers, and other general purpose fiber optic test and measurement applications, such as fast sweeping fiber grating sensor testing.

ACPUC8712C TLS can be controlled by a computer via a USB cable. It's a highly accurate, high-powered, compact, fast-starting, and affordable tunable laser source covering C band wavelength range. Controlling software is also included. RS232 interface and an output triggered BNC port are also available.

PERFORMANCE SPECIFICATIONS

| Parameter | Specifications |
|------------------------------|---|
| Model # | ACP8712 |
| Wavelength Option | C Band |
| Center Wavelengths Available | 1550nm |
| Wavelength Tuning Range | 40 ~ 45nm |
| Tunable Band Range | 1525 ~ 1568nm |
| Output Power | ≥13dBm |
| Wavelength Resolution | 1.0pm |
| Absolute Wavelength Accuracy | ±10pm, (Typ.) <5pm |
| Relative Wavelength Accuracy | ±5pm, (Typ.) ±2pm |
| Wavelength Repeatability | ±2pm, (Typ.) ±1pm |
| Wavelength Stability | ≤±2pm |
| Tuning Speed | ≤0.002s (Per step) |
| Power Stability | ±0.01dB, (15min); ±0.05dB, (1hour); ±0.1dB, (24 hours). |
| Power Repeatability | ±0.05dB |
| Power Linearity | ±0.3dB |
| Power Over Wavelength Ripple | 0.3dB (Typ.), 0.5dB (Max.) |
| Side-mode Suppression Ratio | ≥45dB |
| Output Optical Interface | PM, FC/APC or FC/PC Connector |
| Communication Interface | RS232 or USB |
| Power Supply | 3.3V; 4.5A |
| Package Dimensions (HxWxD) | 55mm x 235mm x 165mm |
| Weight | 1.0kg |

FEATURES

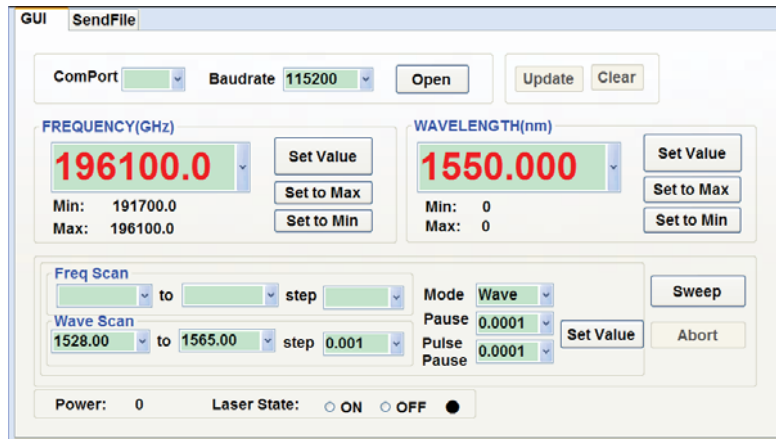
- High Wavelength Accuracy
- Quick Startup
- High Power Output
- Internal Integrated Optical Attenuator

APPLICATION

- WDM, GFF, AWG, PLC Test
- Fiber Sensor Test
- PMD and PDL Measurement
- Fiber Optical, Telcom R&D Lab Test
- Impact Field Testing System

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ACP8712 COMPUTER CONTROL GUI



TYPICAL ACP8712C OUTPUT OPTICAL SPECTRUM

