633nm Frequency swept laser

FREQUENCY-STABILIZED & ULTRA-STABLE LASERS

633nm Frequency swept laser Precilasers' swept frequency 633nm/775nm laser can achieve ultra-wide range of non-mode-hopping linear frequency sweeping. It has the advantages of full digital, high linearity, high power, and larger frequency hopping range. It is used in industrial precision measurement, interferometer and other fields.

- Narrow Linewidth Linear Polarization
- Active Power Stabilization Never
- Mode
- Large Frequency Hopping Range

Specifications

Parameter	FL-SF-XX-SWT (Wavelength can be customized)
Center Wavelength	633nm / 775nm
No Mode Hopping Frequency Sweep Range	>80GHz / >120GHz / >200GHz / >100GHz / >200GHz / >350GHz
Output Power	>10mW / >40mW / >10mW / >40mW
Single Step Adjustment Accuracy	<1MHz
Single Step Length	1MHz-10GHz
Single Step Interval	4ms-400ms
Power Adjustment Range	10-100%
Linewidth (100 us integration)	<300KHz / <400KHz
Long Term Power Stability	<0.75% @3hrs, RMS
Output Mode	Single-mode polarization-maintaining fiber output, FC/APC connector
Beam Quality	TEM00, M^2<1.1
Polarization Extinction Ratio	>20dB,Linear, Vertical
Cooling	Air Cooling
Cold Start	<30 minutes
From Standby	<5 minutes
Laser Controller Dimensions	≤485mm x 309.5mm x 132mm
Laser Controller Weight	≤20kg
Output Fiber Length	>2m (Customizable)
Temperature (No condensation conditions)	15-30 °C (Air Cooling)
Power Supply	100V-240V, AC, 50/60Hz
Power Consumption	<100W
Communication	Ethernet/RS422

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.