



Modulation Transfer Frequency Stabilization Module

Based on the modulation transfer frequency stabilization spectrum technology, a frequency stabilization module with good long-term stability can be achieved.

- **Features**
- High Frequency Stability
- Portable
- All-fiber Frequency-Stabilized Optical Path

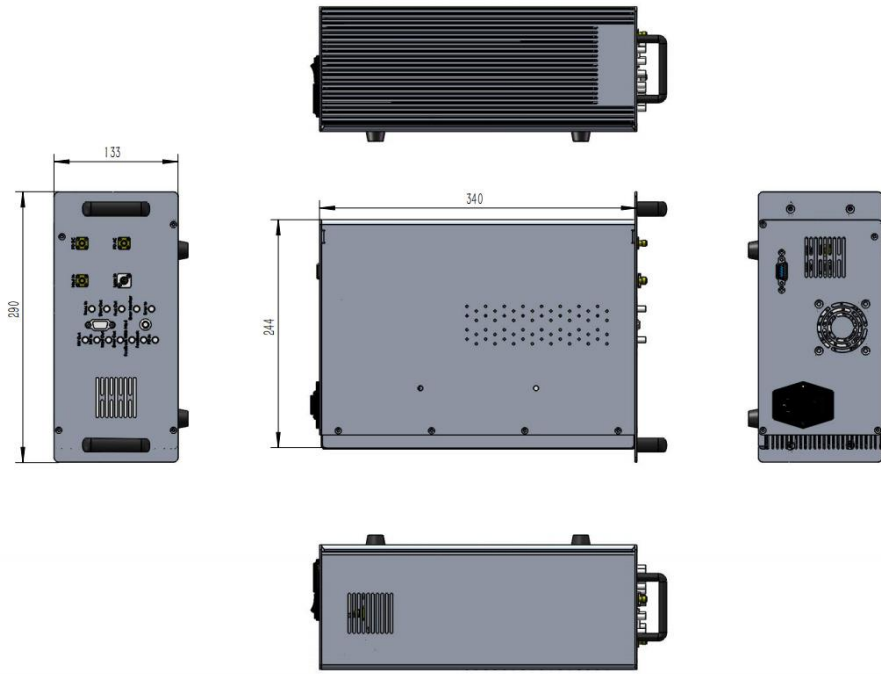
Applications

- Optical Precision Measurement
- Quantum Computing
- Quantum Precision Measurement

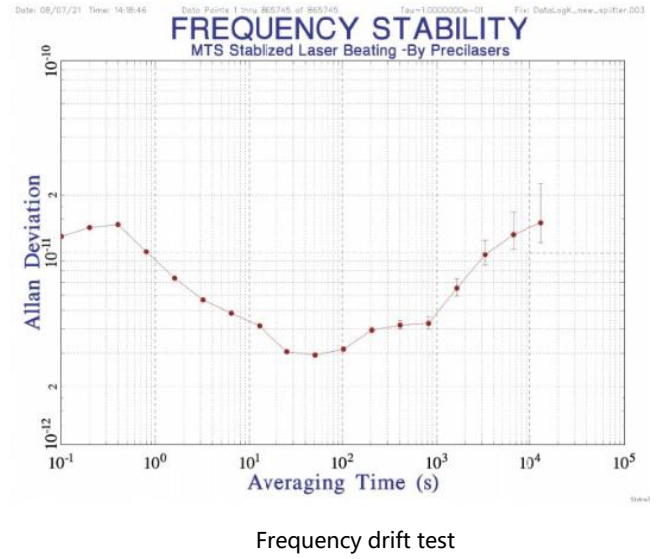
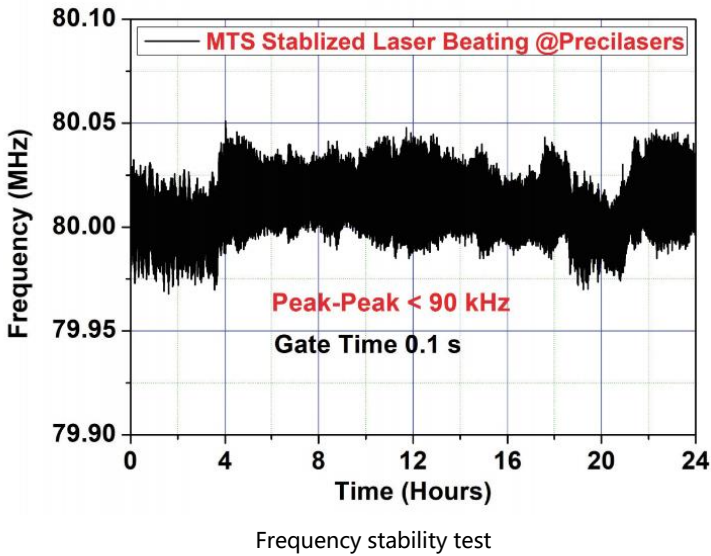


Specification		
Partnumber	Preci-MTS-Rb	Preci-MTS-Cs
Spectral Line Generation Method	Modulation transfer spectroscopy	
Modulation Frequency	2-30MHz digitally adjustable	
De-modulation Phase	0-360° digitally adjustable	
Error Signal Amplitude	> 200mVpp	
Optical Packing	All-fiber structure	
Spectrum Generation	Built-in Rb Cell	Built-in Cs Cell
Input	Single-mode polarization-maintaining fiber input, FC/APC connector	
Operation Mode	3mW 780nm input, feedback control signal output	3mW 852nm input, feedback control signal output
Configuration	Include PD, Rb/Cs Cell, EOM, modulation and demodulation circuit	
Locking accuracy	< ±100kHz@24h	

❖ Product Dimensions




❖ Performance (typical value)



Shanghai Precilasers Technology Co., Ltd.
 Floor 2, Building 2, No. 1918, Xupan Road, Jiading
 District, Shanghai
 021-59160265

info@precilasers.com | www.precilasers.com



⚠ Laser Hazard

Visible or invisible laser radiation, avoid eye or skin exposure to direct, reflected or filtered radiation.
CLASS 4 Laser Products

