

Single-Band Wavelength Meters

» Product Description

GouMax's single-band wavelength meter (WLM) is designed for applications to test and measurement equipment, as optical networks. The wavelength meter product is designed and produced using GouMax's proprietary micro-optics and interferometer technology. It accurately measures single laser line wavelength with high speed. With the use of wavelength tracking mode of this wavelength meter, the mode hopping of semiconductor lasers can be monitored.

Single-band wavelength meter modules are highly customized products. Before purchase, please talk to GouMax Sales for your special requirements.

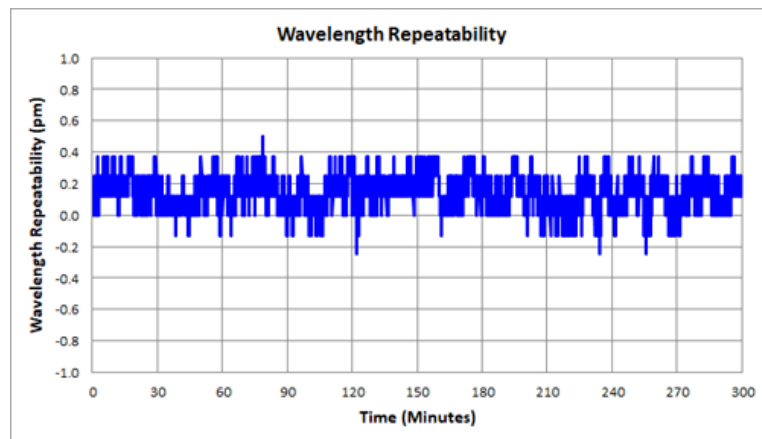


Figure 1: Repeatability of wavelength measurements



Figure 2: WLM-100 Wavelength meter module

» Key Features

- High speed
- High wavelength accuracy
- High wavelength repeatability
- Compact size
- Cost-effective
- Integration flexibility
- No moving parts
- No water absorption in E-band

» Key Applications

- Wavelength measurements
- DWDM systems
- Production line
- Research laboratories
- Sensoring

» Typical Specifications

Single-band wavelength meter modules are specified for flexibility and cost effectiveness.

For details, please request specifications from [GouMax Sales](#).

Item	Unit	Parameters
Wavelength band	-	O/E/S/C/L/U
Wavelength Accuracy	pm	±2
Wavelength Repeatability	pm	< 0.5
Wavelength Resolution	pm	0.5
Laser Maximum Bandwidth	GHz	< 10
Maximum Input Power	dBm	+15
Power Measurement Accuracy	dB	±0.3
Power Measurement Repeatability	dB	±0.1
Input Power Range	dBm	-10 to +10
Measurement Time	ms	200
Warm-Up Time	Min	10
Return Loss	dB	< 30
Electrical Interface	-	USB or UART
Special Requirements	-	Customized (Such as SMSR)

