

Full-Band Wavelength Meters

» Product Description

GouMax's Full-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 this wavelength meter, the mode hopping of lasers can be monitored.

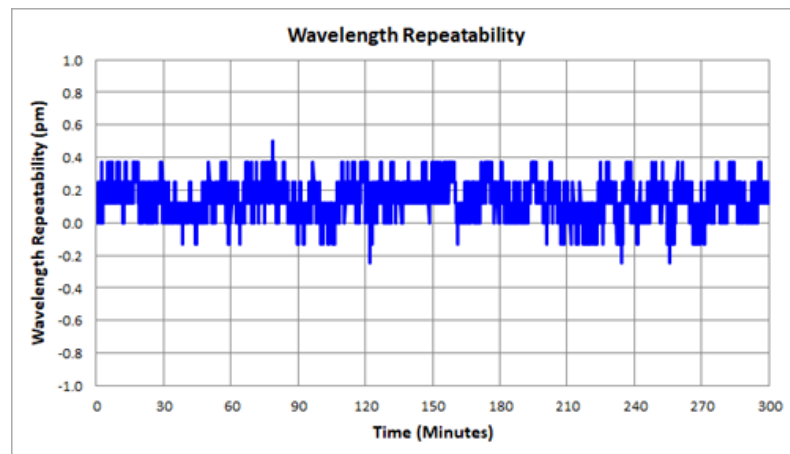


Figure 1: Repeatability of wavelength measurements



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

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

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

Item	Unit	Parameters
Wavelength Range	nm	1250~1650
Wavelength Accuracy	pm	±3
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

