

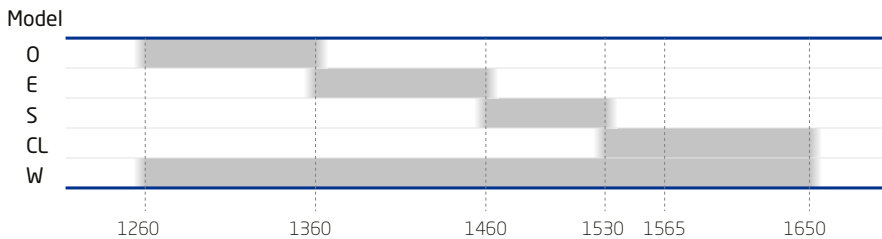


Product Description

The Wideband Component Test System (WCS) takes advantage of JGR's cost effective ultra-wide band tunable laser source (TLS5), in order to provide fast and reliable measurements across the entire O, E, S, C, L and U wavelength ranges in one single sweep.

The WCS is capable of characterizing 32-Channel components such as broadband splitters, filters, or CWDM components in less than 10 seconds. With the included WCS Software, users can easily setup PASS/FAIL criteria to view real time graphical results of IL, PDL, and BR versus wavelength of their devices under test.

Wavelength Range (nm)



KEY FEATURES

- 1260 to 1650 wavelength range
- Fast scanning (<10 seconds for the entire band)
- Up to 32 Channels per chassis and 256 per system

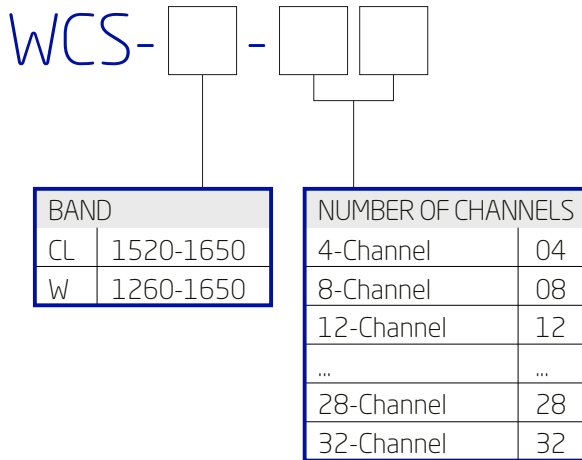
APPLICATIONS

- Broadband coupler testing
- CWDM testing
- Filter testing
- FTTH/PON Splitter testing
- Attenuator testing

IN THE SYSTEM

- TLS5 Tunable Laser
- WCS Detector Chassis
- High Speed Detector modules
- WCS application

Ordering Scheme



Example:

WCS-W-32

Specifications

OPTICAL/ELECTRICAL SPECIFICATIONS					
Parameter	Specification				
	O	E	S	CL	W
Wavelength Range (nm)	1260-1360	1360-1460	1460-1530	1530-1650	1260-1650
Wavelength Accuracy (nm)	± 0.1				
Wavelength Resolution (nm)	0.1				
Insertion Loss Dynamic Range (dB) ¹	70				
Insertion Loss Dynamic Range with PDL (dB) ¹	65				
Insertion Loss Accuracy (dB) ²	± 0.03				
Backreflection Dynamic Range (dB)	0 to -65				
Backreflection Accuracy (dB) ³	± 0.7				
PDL Accuracy (dB)	± 0.01				
PDL Dynamic Range (dB)	0 to 5				
Maximum number of Channels	256				
32Ch Measurement Time(s) ⁴	< 5				< 10

1. For TLS output power > -5dBm

2. < 30dB IL

3. Add +/- 0.1dB for every 1dB below -54dB

4. PDL measurement requires additional 3 measurement sweeps