

# WCS | Wide Band Component Test System

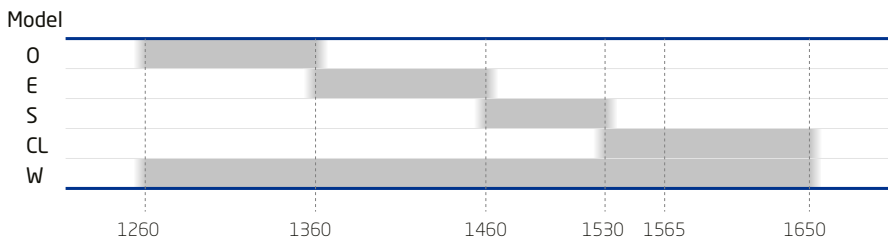


## Product Description

The WCS Wideband Component Test System takes advantage of JGR's powerful and cost effective ultra-wide band TLS, thus providing 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 and CWDM's in less than 10 seconds. With the included WCS software, users can setup PASS/FAIL criteria on their devices and view real time graphical results of IL vs wavelength.

## 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

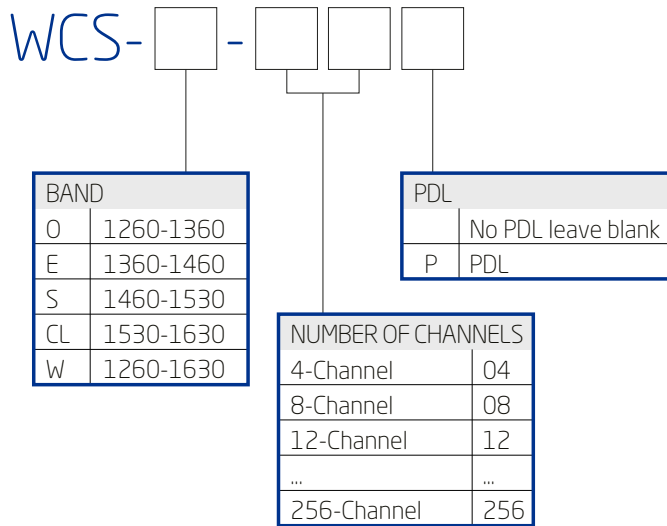
## APPLICATIONS

- Broadband coupler testing
- CWDM testing
- 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-32P

## Specifications

OPTICAL / ELECTRICAL SPECIFICATIONS					
Parameter	Specification				
	O	E	S	CL	W
Wavelength Range (nm)	1260-1360	1360-1460	1460-1530	1530-1650	1260-1650
Power Stability (dB) <sup>1</sup>	± 0.01				± 0.07
FWHM (nm)	0.1				
Power Repeatability (dB) <sup>2</sup>	0.02				
Output Power (dBm)	-5 to +5				
SMSR @ 0.1nm BW (dB)	>60				
Wavelength Stability (pm) <sup>3</sup>	+/-8				
Wavelength Accuracy (pm)	+/-50				
Wavelength Repeatability (pm)	+/-50				
Resolution (nm)	0.1				
Tuning Speed (nm/s) <sup>4</sup>	25				
High Frequency Modulation (kHz)	75				
Output Type	Panda PM fiber				
Output Connector	FC/APC				
PER, PM output (dB)	18				
Communication Interfaces <sup>5</sup>	RS-232C, GPIB (IEEE-488.1) and BNC				
Laser Safety Classification	Class 3R				

**Notes:**

<sup>1</sup> Over 15 minutes

<sup>2</sup> At constant temperature, over 100 sweeps

<sup>3</sup> Over 1 h at constant temperature

<sup>4</sup> 100 nm/s available

<sup>5</sup> BNC for modulated Trig IN/OUT