

# WA-5000 Wavelength Analyzer

## OPTICAL SPECTRUM ANALYZER



Fast and accurate optical spectrum analyzer, designed for production floor needs.

### KEY FEATURES

Wavelength range:

- › O-band model: 1260-1360 nm
- › C-band: 1527-1567 nm

High speed sweeping in 500 ms (O-band)

Hardware resolution bandwidth = 250 pm

Software resolution bandwidth = 20-100 pm

Wavelength repeatability  $\pm 10$  pm

No mechanical life limitation

Long operation durability

## SPECIFICATIONS

Wavelength Analyzer	WA-5000-O	WA-5000-C
Wavelength range (nm)	1260 to 1360	1527 to 1567
Software resolution bandwidth (pm)	20 to 100	20 to 100
Absolute wavelength accuracy (pm)	±50	±40
Wavelength repeatability (pm)	±10	±10
Dynamic range (dBm)	-45 to 15	-50 to 15
Absolute power uncertainty (dB)	±0.8	±0.5
Maximum input power (dBm)	30	15
Power repeatability (dB)	±0.15	±0.1
Relative power accuracy (dB)	±0.5	±0.4
SMSR measurement range excluding PDL (dB)	<45	n/a
SMSR accuracy (dB)	≤ ±1.0 (SMSR ≤ 40 dB); ≤ ±1.5 (SMSR > 40 dB)	n/a
PDL (dB)	<0.3	0.3
Noise floor (dBm)	-55	-55
Return loss (dB)	>30	>40
Sweep time (ms)	<500	<900
Connector type	FC/PC (9/125 μm)	
Weight (kg)	<10	

## ORDERING INFORMATION

WA-5000-XX

## Model ■

- = O-band optical spectrum analyzer
- = C-band optical spectrum analyzer

**EXFO headquarters** T +1 418 683-0211 **Toll-free** +1 800 663-3936 (USA and Canada)

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