OPTICAL SPECTRUM ANALYZERS CMA5000 OSA 425 / OSA 400

1250 nm to 1650 nm





The CMA5000 OSA's are field portable DWDM/CWDM testers covering the 1250-1650 nm spectral range. Two OSA modules are available to meet all test requirements: OSA 400 and OSA 425.

OSA 425

This OSA is ready for field operation and harsh environment. Its internal calibration valid over all temperature range gives you accurate power and wavelength measurement in all conditions without any user calibration.

OSA 400

The OSA 400 extends the performances of the OSA 425 and provides lab specifications in a rugged field module. With best in class ORR, this OSA can compute OSNR measurements with very high accuracy. The unique flat top filter can drop signal up to 40Gb/s to do transport analysis. The compact size of the OSA module conveniently fits into the CMA5000 Multi-Layer Network Test Platform using a medium bay adapter.

Specifications

OSA 400	OSA 425
1250-1650 nm	1250-1650 nm
±40 pm (± 20 pm typical)	±40 pm (± 20 pm typical)
+20 to -70 dBm	+15 to -65 dBm
±0.4 dB	±0.5 dB
±0.05 dB	±0.1 dB
<60 pm; 100 pm; 200 pm & 500 pm	<70 pm
65 dBc at ±50 GHz from peak 55 dBc at ±25 GHz from peak 35 dBc at ±12.5 GHz from peak	40 dBc at ±50 GHz from peak 35 dBc at ±25 GHz from peak 25 dBc at ±12.5 GHz from peak
8s for full scan 40 nm/s for small scan	8s for full scan 40 nm/s for small scan
512	512
> 45 dB	> 40 dB
	1250-1650 nm ±40 pm (± 20 pm typical) +20 to -70 dBm ±0.4 dB ±0.05 dB <60 pm; 100 pm; 200 pm & 500 pm 65 dBc at ±50 GHz from peak 55 dBc at ±25 GHz from peak 35 dBc at ±12.5 GHz from peak 8s for full scan 40 nm/s for small scan

Channel Drop Features

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Spectral Range	1250-1650 nm	NA
Modulation Rate	Up to 40 Gb/s	NA
Filter Bandwidth ³	From 60 pm to 800 pm	NA
Crosstalk ³	Up to 65 dB	NA

¹ Signal from +5 to -30 dBm in C&L band from 15°C to 30°C

Specifications are subject to change without notice

² Maximum total safe power +25 dBm

³ In C&L band

With averaging; linearity may be degraded above +15 dBm
 At -15 dBm in C band

⁶ At 1550 nm; at 23°C ±2°C

⁷ With the 60 pm resolution

OPTICAL MEASURING INSTRUMENTS

/inritsu

General Specifications

Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +70°C
Humidity	95% RH non-condensing
Battery Operation	Yes

Ordering Information
For the most current ordering information, please visit our website.