

Specifications for Compact Optical Spectrum Analyzer

Spectral Specifications

Frequency Range	: Full C-band coverage
Spectral Sampling Resolution	: At least 350 MHz
Resolution Bandwidth (FWHM)	: At least 15 pm
Absolute Frequency Accuracy	: +/- 1 GHz
Frequency Repeatability (sweep to sweep)	: 200 MHz
Measurement Update Rate Full C-band	: at least 2 updates/sec

Optical Power

Max Total Optical Power	: 10 dBm
Max Power Density	: 0 dBm / 6.25 GHz
Relative Power Accuracy	: +/-0.5 dB
Noise floor:	: < -50 dBm / 12.5 GHz

Mechanical, Electrical and Environmental

Operating Temperature	:15°C to 35°C
Operating Humidity	:10% to 85%
Communications Interface	: USB 2.0
Power	: 240 V
Connector Type	:FC/APC

The following instrument control should be possible

- (1) Via Graphical User Interface(GUI) software package, which works with Windows based PCs.
- (2) Via an Application Programming Interface (API), which supports automated control of the Instrument.

Ability to perform DWDM testing, OSNR testing

Vendor must have sold at least 100 units.

Vendor should install the entire setup onsite.

Warranty for 1 year from the date of installation, free software upgrade until end of life, support for atleast 6 years after end of life. Quote for warranty upto three years to be provided.

Quotes should include CIF.

Compliance table should be provided for each item. Technical and commercial bids to be given in two separate sealed envelopes.

Vendor should be able to extend support within 3-5working days.